MORTEX

Concrete Answers for Better Living®

Mortex Manufacturing Co., Inc.

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within U.S.A. only
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Business Hours

Monday - Friday
8:00 AM - 4:30 PM (Arizona)

History

We began our leadership in innovation and service to the swimming pool industry in 1962 with the introduction of a product that revolutionized the industry. Its name is "Kool Deck®". Our product literally 'changed the face' of swimming pool decks forever. Since then, Mortex has continued to set the industry standard for product innovation, quality and customer service.

Mortex Firsts - It's rather impressive…..

First to create and introduce "Kool Deck"
First to produce a cantilever deck form
First to produce a disposable cantilever form
First to create a plastic anchoring system for cantilever forms
First to perfect multicolored PVC Control Joint and Drainage Products
First to produce a PVC water stop
First to develop and produce premixed decorative toppings for the deck industry
First to engineer a bonding agent for adhering Kool Deck or Marquee to existing concrete

Many other manufacturers are quick to imitate the products we've developed, but they are unable to duplicate our continued commitment to product innovation, quality and customer service.

Founder, Max Deason 1923-1987 (left) and current owner Ted Deason (right).

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Mortex products are sold through our worldwide distribution network. For the nearest sales location, contact Mortex at the numbers listed or visit our web site for more information.

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PATENTS & TRADEMARKS

PATENTS
3348801	Reusable Cantilever Form
3526070	Disposable Cantilever Form
3876322	Drain Rite
3896597	Control Joint/Expansion Base
4387877	Keystone Form and Spear & Button Locking Device
4395014	Key-Lock Liner Form & Reusable Locking Keys
5915848	TAC-IT
6529664	Glow-Rite

TRADEMARKS
"Concrete Answers For Better Living"
"M" and Design Trademark
Ad-Tex Sprayer
Control Joint/Expansion Base
Designer Forms
Drain Rite
Glow-Rite
Key-Lock Liner Form
Keystone Form
Keystone Kool Deck
Kool Deck
Marquee
Mortex Pattern Blade
PTA
The Original Keystone Kool Deck Logo
Systex
TAC-IT

Terms and Conditions

TERMS
Method of payment: Major credit cards or wire transfers are accepted unless a line of credit is established. Payment for orders shipping internationally are to be made by wire transfer.

Shipping charges for product will be added to the invoice unless otherwise denoted on your purchase order.

Accounts not paid within the payment terms listed on your invoice will be considered delinquent and delinquent accounts will be charged an interest at a rate of 1.5% per month.

All invoices are subject to verification audit.

Appropriate debits and credits will be applied to all accounts.

Mistakes happen – We make every attempt to avoid errors in pricing and product information, but we are human. If a mistake does occur, we reserve the right to correct it and we apologize for any inconvenience it may cause.

Mortex cannot be held responsible for orders delayed by labor disputes, accidents, freight companies or any other cause beyond our control.

There will be a $50.00 charge on returned checks.

BACKORDERS: Mortex will notify you if any product is not available for immediate shipment. Keep in mind some of our products are by special order only and may require 2-3 weeks lead time.

FREIGHT: Mortex will ship product on our preferred freight and package carriers unless you instruct us otherwise.

INTERNATIONAL SHIPPING: Mortex reserves the right to select the shipping company for all international orders.

TRANSPORTATION CLAIMS: Mortex's responsibility ceases when an order is turned over to a freight or package carrier or when the order is turned over to a customer and/or their representative. Should product be damaged in transit, it is the responsibility of the buyer/receiver to note the damaged or missing product on the freight carrier's delivery receipt when the merchandise is delivered. The buyer must also contact Mortex immediately to notify them of the damages. Mortex will make every effort to file a freight claim on the buyer's behalf.

RETURNS: If a return should become necessary, one MUST adhere to the following procedures:

Before returning anything, call Mortex to discuss what you wish to return.

Only unopened and undamaged containers are acceptable for return at a 20% restocking fee. Any product or cartons that are returned damaged will result in a higher restocking fee to be determined at the time of the return. Any containers not received in an acceptable state for return will be destroyed by Mortex without credit to the customer. After discussing your return, Mortex will provide you with a Return Merchandise Form. Fax the completed form along with a copy of the invoice(s) indicating your purchase of the items you wish to return. Fax these to: 520-293-8884. When Mortex receives your completed Return Merchandise Form, Mortex will provide you with a Return Authorization Number (RAN) and the shipping address of where the product needs to be shipped back to. The RAN number only authorizes merchandise for return and does not guarantee acceptance or credit. You must write the RAN number on all boxes. Items must be sent freight Prepaid back to Mortex. Items received must match the list for which the RAN was issued. After inspection of the product, Mortex will issue a credit memo based on the accepted items from the RAN list, minus the appropriate restocking fee.

WARRANTY ON PRODUCTS
Information contained herein is to our best knowledge, true and accurate but all recommendations or suggestions are made without guarantee. Since the conditions, usage and application of our products are beyond our control, Mortex disclaims any liability incurred in connection with the use of our products and information contained herein. No person is authorized to make any statement or recommendation not contained herein, and any such statement or recommendation so made shall not bind the company. Furthermore, nothing contained herein shall be construed as a recommendation to use any product, and no license implied or in fact is granted herein. Mortex further reserves the right to change specifications of products described herein without notice.

All terms, conditions and instructions are subject to change without notice.

Kool Deck® Elite™

Kool Deck® Elite is the newest addition to the concrete topping line from Mortex. This elite product shares all the benefits you have come to expect from the genuine Kool Deck surface, like significantly lowering the surface temperature of concrete and being environmentally safe, but with an enhanced formula and the ease of a pre-mixed package that is bucket mixable.

- Significantly lowers the surface temperature of concrete.
- Perfect solution for barefoot area.
- Create a better surface while eliminating time and money spent sourcing proper size marble sand and white cement.
- Unparalleled value on per square foot basis
- Performance, versatility and convenience for large and small decks
- Now mixable in a 6.5 gallon bucket
- Basic 50 lb pre-mixed bag - Just add water and a entire Color-Unit pack
- Enhanced formula for resistance to modern chemical attacks, craze cracking, etc.
- Pre-mixed simplicity translates into better decks, time after time

Product Detail	Description
Coverage	A properly mixed bag should cover a minimum of 65 ft^2 (6 m^2)
Contents	1 - 50 lb bag
Bag Measurements	21" x 11" x 6 1/2" (53.34 cm x 27.94 cm x 16.51 cm)
Weight	50 lbs (22.68 kg) - 52 lbs boxed
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KDE	Kool Deck Elite

Color Units™

Color-Unit™ packs are the solution to consistent color proportioning. Kool Deck Elite has been specifically made to be free from color (white), so you can add the color you want, when you want it. These small 1 to 1.5 lb bags come in all Kool Deck and Designer Color Palettes, and are easily added on a simple one Color-Unit pack to one 50 lb Elite bag. Our separation of the color from the pre-mix saves you extra freight cost, time & storage space by having a truly versatile product.

- Perfectly proportioned color.
- Made from natural substances and synthetic iron oxide pigments.
- One Color-Unit pack per one bag of Kool Deck Elite.
- All colors match Kool Deck and Designer Color toppings.

Product Detail	Description	
Coverage	One Color-Unit pack contains the proper amount of coloring for 1 - 50 lb bag of Kool Deck Elite	**Note:** Mauve, T5, and Terracotta are warmer to the touch due to their darker shade of color.
Carton Contents	One carton contains 25 Color-Unit packs.	
Ctn Measurements	20" x 11" x 7" (50.8 cm x 27.9 cm x 17.7 cm)	
Weight	1 unit: 1 - 1 1/2 lbs each; Carton: 27 lbs to 29 lbs	
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air	

Catalog Item #	Description	Catalog Item #	Description
KDECUAB	Color-Unit - Adobe Buff	KDECURP	Color-Unit - Rose Pink
KDECUAQ	Color-Unit - Aqua	KDECUSB	Color-Unit - Sand Buff
KDECUAG	Color-Unit - Aztec Gold	KDECUST	Color-Unit - Sedona Tan
KDECUBG	Color-Unit - Birch Gray	KDECUDT5	Color-Unit - T5
KDECUCP	Color-Unit - Coral Peach	KDECUDTC	Color-Unit - Terracotta
KDECUDM	Color-Unit - Mauve		

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PRODUCT DESCRIPTION

KOOL DECK® ELITE™ is available in a pre-mixed 50 lb bag. When mixed with water and an entire COLOR UNIT, it forms a cementitious topping for concrete. KOOL DECK ELITE is ideal for applications where a non-skid, weather-resistant, low-maintenance colored product is desired. The product is cooler than regular concrete under similar conditions, making it a perfect solution for barefoot traffic areas.

INTENDED USE

KOOL DECK ELITE is a concrete topping, especially effective in areas where people are barefoot. Use it on walkways, patios, courtyards and swimming pool decks. It can be used on vertical surfaces as well as horizontal surfaces to significantly lower concrete surface temperatures.

COMPOSITION AND MATERIALS

KOOL DECK ELITE is composed of synthetic iron-oxide pigments, a proprietary mixture of natural and organic substances, marble sand and white cement. KOOL DECK ELITE is manufactured with precise, quality control standards to ensure uniformity of color from bag-to-bag, batch-to-batch and year-to-year.

LIMITATIONS

KOOL DECK ELITE should not be mixed with any other ingredient except those specified in the instructions. These ingredients should be added in the prescribed order and blended in a plaster mixer with rubber wiper blades or a 6.5 gallon bucket to ensure uniform color mixing. Unused KOOL DECK ELITE and Color-Units should be stored in a dry place.

TECHNICAL DATA

APPLICABLE STANDARDS

KOOL DECK ELITE performance when tested in accordance with:

ASTM C109-77;

Compressive Strength: 2-inch cube specimens (50 mm)
1) 1300 pounds per square inch after 7 days curing time; within two standard deviations.
2) 1800 pounds per square inch after 14 days curing time; within two standard deviations.
3) 2800 pounds per square inch after 28 days curing time; within two standard deviations.

ASTM C666-84;

Rapid Freezing and Thawing:
Beginning of failure of flat areas after 70 cycles.

ASTM C944-85;

Abrasion Resistance:
1) Maximum 1-gram loss under 2-gram load,
   with 50 percent flat texture.
2) Maximum 3-gram loss under 6-gram load,
   with 50 percent flat texture.

ASTM E303;

British Pendulum (BP) Surface Friction

Side	BPN
A	72
B	69
C	68
D	68
Average	69

COLORS

KOOL DECK® ELITE™ is available in 9 standard colors. 3 Designer Colors are available. The Designer Colors are warmer to the touch due to their darker shade. All colors are approximately represented on Mortex's color chart. Custom colors are available upon submittal of a color chip. Certain restrictions apply and a minimum purchase is required. With sufficient notice, our lab can prepare sample color chips for approval.

WEATHER RESISTANCE

KOOL DECK ELITE has excellent weatherability. KOOL DECK ELITE cures to a density and hardness that absorbs less water than standard concrete, giving it very good freeze/thaw durability. Surface deterioration from thermal stress does not occur because the coefficient of expansion and contraction are the same for both base and topping. All of the ingredients in KOOL DECK ELITE are unaffected by ozone or UV radiation as well as pool chemicals and chlorine.

PATCHING KOOL DECK ELITE

Mortex produces a pre-mix repair kit for your convenience. Coverage is approximately 6 sq. ft ($.557m^2$). KOOL DECK Repair Kits can be ordered from your local distributor or call Mortex Corporate Headquarters for the name of a distributor.

AVAILABILITY

KOOL DECK ELITE is manufactured in Tucson, Arizona U.S.A. It is sold through our nationwide distribution network and to distributors abroad. Contact Mortex Corporate Headquarters for more information.

MAINTENANCE

Wash the Kool Deck Elite surface with water from a garden hose when dirt, leaves, etc., are found. The following are recommendations for common care:

1) Spills should be rinsed off immediately. Spills that result in a stain should be scrubbed with cleanser and water using a nylon scrub brush.
2) Stains can be cleaned with a granular electric dishwasher detergent such as Cascade™.
   Dilute the detergent in warm water, scrub with a nylon brush and rinse thoroughly. Be sure to wear rubber gloves when handling cleansers.
3) Mortex's Commercial Cleaner can be used to clean heavy stains, suntan lotions and body oils.
   Gray mineral deposits can collect on the surface over a period of time in heavily used areas such as steps, sprinkler heads and diving boards. These are caused by repeated water evaporation in the same area. Use Mortex's Commercial Cleaner with a floor scrubber and a 3M Scotch Brite stripping pad for these tough stains.
4) **If you have a Salt Water Chlorinator**, it is essential that you rinse and clean your deck frequently. Regular cleaning of your Kool Deck surface after use is an important part of the success of your deck. Other restrictions may apply.

COLD WEATHER CONCRETING
1) Move to a six-bag mix.
2) Discuss using heated water and aggregates.
3) Use air-entrainment. (See Below.)
4) Be ready to take precautions if temperature drops
   below 45°F (7°C). Note: the first three days after
   the pour are critical.
5) Use hot water in the KOOL DECK® ELITE mix.
6) Use superplasticizers in the base concrete.

HOT OR WINDY WEATHER CONCRETING
1) Consider a water reducer.
2) Wet subgrade, fog or sprinkle cool water on forms and reinforcing steel.
3) Schedule an early morning, evening or nighttime concrete placement.
4) Have sufficient workers to eliminate delays during construction.
5) Use ice water in the KOOL DECK ELITE mix.
6) Erect wind breaks.

KOOL DECK ELITE & ADMIXTURES: Mortex recommends that no item other than those listed in mixing instructions be added to the KOOL DECK ELITE mix. Adding any other substance will alter the chemical balance and can lead to failure of the surface or bond.

A. AIR-ENTRAINING ADMIXTURES: The principal function of an air-entraining admixture is to improve the concrete's resistance to destruction due to freeze-thaw cycles. Air entrainment also reduces bleeding and segregation and normally will cause a slight reduction in concrete strength. In climates where concrete is subjected to freezing and thawing, an air-entrainment admixture is recommended for the base concrete. Note: You may use Master Builders Micro-Air or W. R. Grace DAREX II AEA. Caution: Do not use lignosulfonate or vinsol resin based admixtures.

B. CALCIUM CHLORIDE: Calcium chloride's function is to accelerate the rate of strength development of concrete so that the need for protection against low ambient temperatures can be minimized. Calcium chloride or admixtures containing chloride ions can cause non-uniform color and should be avoided.

C. WATER REDUCING ADMIXTURES: Water reducing admixtures are organic materials added to the concrete mix to decrease the amount of water required to produce a workable mix. Generally stated, they can increase concrete strength and water tightness, improve workability and finishing results. Note: You may use superplasticizers that are Naphthalene or Melamine based.

D. FIBER: You may use any type of fiber in the base concrete as long as you avoid iron. Technical data and Material Safety Data Sheets on alternative products may be submitted to Mortex for consideration and/or lab approval. The only problem with fiber is the difficulty of mixing it into the concrete.

GUIDELINES: Arrival time of concrete: It is important that the scheduling of trucks is such that they arrive just before the concrete is required. This avoids excessive mixing of concrete while waiting.

WARRANTY

INSTRUCTIONS FOR APPLYING KOOL DECK® ELITE ON THE VERY FIRST DAY OF THE CONCRETE POUR (GREEN CONCRETE)

Kool Deck® Elite™ is a colorless (white) product. Use of an entire Mortex Color-Unit™ pack is required to achieve desired color.

NECESSARY TOOLS FOR BUCKET MIXING
• Mortex Dash Brush
• Clean, 6.5 gallon Bucket (for mixing)
• 1 Gallon container (for measuring water)
• Heavy-Duty 3/4" Power Drill (300 rpm max)
• Rectangular Blade Mixing Paddle
• Steel Finishing trowels
• Mortex Viscosity Cup

> Kool Deck Elite can easily be applied to existing concrete surfaces properly prepared with our PTA Bonding Agent or to concrete on the very first day of the concrete pour (green concrete), as described below.

REQUIRED MATERIALS
• 1 Color-Unit™ pack
• 1 Bag of Kool Deck® Elite™

OPTIONAL TOOLS
• Paddle Type Mixer
• Mortex Ad-Tex Sprayer
• Mortex Sprayer
• Mortex Pattern Blade
• 2+ Kool Deck Stamp pads for stamping application only
• Mortex Release Agent for stamping application only
• Mortex Gage Rake for stamping application only

Temperature during pour: For best results, temperature during pour and application should take place when ambient temperature is above 45°F (7°C). Caution: If frost is predicted at any time during the first 72 hours after placement, the deck must be protected with a curing blanket.

PREPARATION OF SOIL & SURROUNDINGS
• Be sure to grade so the deck will be uniform in thickness.
• Wet down the sub soil thoroughly just before the pour.
• Cover all walls and aluminum with plastic or paper. (Cement will corrode and blacken aluminum.)

POURING THE SLAB
1. Order a five-bag mix, a little on the rocky side. A faster set and higher strength may be achieved with a six bag mix or lower slump.
2. When ordering concrete, stipulate that no additives are to be included in your concrete. Serious problems can result from the use of additives in conjunction with our product. When air-entrainment is necessary, consult with Mortex on the appropriate type to use. (See page 9.)
3. After placing the concrete, tamp, and float. The finished deck will only be as level as the base concrete. Do not work bleed water into the surface.
4. Broom to scarify the entire slab. Use a nylon bristled push broom right behind the troweling. Make only one pass. (Do not sweep loose sand to the surface, as this can cause a barrier between the concrete and the Kool Deck Elite.) Leave the mass concrete with open pores for bonding purposes, but not coarse enough that the roughness is revealed through the finished deck surface.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Kool Deck® Elite™ Instructions

MIXING OPTION 1: MIXING KOOL DECK® ELITE™ IN A 6.5 GALLON BUCKET
1.   Pour 1 gallon (3.79 L) of Water into Mixing Bucket.
2.   Mix one (1) entire Color-Unit pack into Mixing water, using the heavy-duty drill with paddle blade. Dump entire 50 lb bag of Kool Deck Elite into colored water while mixing.
3.   Mix for two (2) minutes into an even colored, thick paste. Allow the mix to stand for one (1) minute.
4.   Restart mixing. Slowly add an additional 2 gallons (7.57 L) of Water to the mix.
5.   Use a Mortex Viscosity Cup as a final guide on proper consistency. Mix should empty a full Viscosity Cup in 17 seconds for flat surfaces and 20 seconds for colder weather.

MIXING OPTION 2: MIXING KOOL DECK ELITE IN A PADDLE TYPE MIXER
Note: A minimum of 3 bags of Kool Deck Elite is necessary per batch.
1.   Start mixer and add 3 gallons (11.36 L) of water into the mixer.
2.   Add 3 entire Color-Unit packs into the mixer.
3.   Add 3 entire 50 lb bags of Kool Deck Elite into the mixer.
4.   Mix for three (3) minutes into an even colored, thick paste.
5.   Slowly add up to an additional 6 gallons (22.7 L) of Water to the mix.
6.   Use a Mortex Viscosity Cup as a final guide on proper consistency. Mix should empty a full Viscosity Cup in 17 seconds for flat surfaces and 20 seconds for colder weather.

WARNING: Idle the mixer before checking the consistency of the mix with your Viscosity Cup. Never reach into a mixer with your body.

APPLICATION OPTION 1: SPLASHING THE KOOL DECK ELITE MIXTURE
1.   Test the base concrete slab. The concrete base is ready for the surfacing to be applied when it can be walked on without leaving deep depressions, but still shows a water rise in foot impression.
2.   Pour the mix from the mixing bucket or paddle mixer into a clean five gallon bucket.
3.   Begin applying. Dip the brush into the mix covering the full length of the bristles and start splashing the mixture. If necessary, additional water should be added to the Kool Deck Elite mixture so the material will rain from the brush and have a creamy appearance when splashed. Use a Viscosity Cup according to instructions for best consistency.

Suggestion: The best texture is achieved by raising the brush high and moving the hand forward, snapping back with the wrist. This motion causes the mix to rain from the brush and gives an even, uniform texture.

4.   Splash on the mixture in even, straight, side by side rows, being sure to overlap so as not to leave any holidays (unintentional gaps). The first splashing should be used to cover the deck.
5.   Resplash the deck just before the first application has lost its water glaze. When applying a light second splash, allow the Kool Deck Elite mixture to rain down from the Dash Brush. The second splashing will drive the Kool Deck Elite surface into high peaks for good texture. The high texture produced by the second splash is necessary to allow troweling time and to give a better pattern. Final material should be 1/8" total thickness.

APPLICATION OPTION 2: SPRAYING THE KOOL DECK ELITE MIXTURE
WHEN USING KOOL DECK ELITE, you should first spray the deck for coverage. Just before the material begins to take up and has lost its water glaze, lightly and quickly pass over the deck again allowing the material to rain down from the wand onto the deck so that high peaks of texture can form. Final material should be 1/8" total thickness.   This maybe easier accomplished by using a Dash Brush on the second passing.

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TROWELING KOOL DECK® ELITE™
1. Begin to trowel as the water glaze leaves the deck. The pattern is set with the first trowel pass. The trowel must be held perfectly flat with a light hand. (The ideal tool is a Mortex Pattern Blade or a worn, cupped trowel.)
2. The second troweling must follow immediately behind the first. With the trowel held flat, feel for uneven surface, leveling it as you go.
3. The second pass is necessary to bring the deck into a uniformly dense and colorfast deck surface. The finished deck should reveal approximately a <u>40% smooth and a 60% void surface.</u> <u>This prevents craze cracking since the knolls may expand and contract from the voids.</u>

COMPLETION OF WORK
1. Remove tape masking from joints and drains, clean up around the job site and you are finished.
2. A Kool Deck Elite surface applied to fresh concrete contains its own sealer and curing agents, so no further work on the deck surface is required.
NOTE: If you applied Kool Deck Elite to existing concrete using the PTA method, remember to cover the area with plastic after troweling. **Do not** cover with plastic if applied to green concrete as just <u>described</u>.
3. Remind the deck owner to avoid traversing and placing furniture on the deck until the deck has had time to harden and cure sufficiently to warrant general use. (Approximately 21 days)

AFTER INSTALLATION Light walking traffic after 3 days; Normal walking traffic after 14 days; heavy patio furniture and normal use after 28 days.

POINTS TO REMEMBER
- Be sure to work the base concrete sufficiently. Areas left unworked are detrimental to a permanent bond.
- Make sure the Kool Deck Elite mixture is thin enough. A mixture that is too thick will result in low square foot coverage, poor finished pattern, an accelerated setting time, and more craze cracking. The Kool Deck Elite surface should be 1/8" thick.
- Apply the Kool Deck Elite mixture while there is still enough moisture in the base concrete to facilitate the bond and the curing of the Kool Deck Elite topping.
- Splash twice. The first splashing should be used to cover the deck. The second splashing will drive the Kool Deck surface into high peaks for good texture.

IN CASE OF RAIN OR OTHER UNFORESEEN DIFFICULTIES
Should it be necessary to cover the deck with plastic, be sure the plastic is removed as soon as possible. Failure to do so may result in a whitish film on the deck surface.

NEW ALTERNATIVE
STAMPING THE KOOL DECK® ELITE™ MIXTURE WITH A KOOL DECK STAMP PAD
1. Follow the instructions for Surface Preparation, Spraying or Splashing down the material or you can pour the material onto the surface and use a Gage Rake set at 1/8" thickness to spread out the material.
The Kool Deck Elite material is ready to be imprinted when the glaze has left the material and when you can press down firmly with your finger (15 lbs pressure), make an impression and none of the material adheres to your finger. If an area is drying faster than its surroundings, spray release agent on just that area only to retard setting.
2. Spray Mortex Release Agent on the Kool Deck Stamp Pad only and then lay the pad onto the material. It is not necessary to spray Release Agent onto the material unless you want to stop an area from drying. You will need a minimum of two stamp pads.
3. After you remove the stamp pad, very lightly trowel over the stamped surface to knock off the pad fuzz and remove the wicking from the surface.
4. Continue to stamp the remaining deck making sure to overlap stamp pads.
<u>Note: If you use a Mortex Flagstone or Slate Stamp Pad, be advised that craze cracking may occur.</u>

If you are applying Kool Deck Elite to an existing concrete deck, follow the instructions for surface preparation, the PTA Bonding Agent and then the Mixing and Application instructions as seen above. Remember to cover with plastic when appliction is made to existing concrete.

PTA® Bonding Agent

PTA Bonding Agent is a cement based bonder used to bond Kool Deck Elite, Kool Deck, Designer Colors, or Marquee to existing concrete. PTA should not be mixed with the topping or reapplied multiple times, making it ideal for use where a thin cementitious topping will be applied to existing concrete.

- A bonder with the same chemical and physical properties as the base concrete.
- Eliminates thermal stress caused by dissimilar materials making it durable under freeze / thaw conditions.
- Gray in color making it easy to verify coverage.
- Creates uniformity in the set rate of the topping.

Note: PTA can not to be used with the Systex Polymer Concrete Deck System

Product Detail	Description
Coverage	One carton mixed properly covers 350 ft^2 (32.5 m^2)
Contents	Available by the carton.
Ctn Measurements	7" x 7" x 12.5" (18 cm x 18 cm 32 cm)
Weight	20 lbs (9.07 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KPTA	PTA - Bonding Agent

PTA BONDING SYSTEM TECHNICAL INFORMATION

PRODUCT DESCRIPTION: PTA is a powdered cement based bonder. The fine particle size makes it ideal for use when a thin cementitious topping will be applied over existing concrete.

INTENDED USE: PTA is used to bond KOOL DECK ELITE, KEYSTONE KOOL DECK, DESIGNER COLORS or MARQUEE to existing concrete such as patios, walkways, courtyards, entryways and swimming pool decks.

COMPOSITION & MATERIALS: PTA is composed of white cement, limestone and less than three percent organics. PTA is manufactured to exact quality control standards and maintains uniformity and performance.

LIMITATIONS: PTA must be stored in a dry place, as exposure to moisture will render it useless. In warm climates, extreme care should be taken if installation is to take place when temperatures are expected to exceed 95°F (35°C.) This is due to the necessity of the topping to cure after application. In freeze-thaw climates, the finished application should be protected against frost and other severe conditions, for a period of 28 days. Caution: Do not use PTA® with the SYSTEX® Polymer Concrete Deck System.

APPLICABLE STANDARDS
ASTM C1041-85 (30 Deg. Angle Shear Test) Standards when applied in accordance with Mortex instructions are as follows: Tests average 21,600 lbs. on a 3-inch core (1820 psi).

COLOR: PTA is light gray in color.

WEATHER RESISTANCE: PTA has excellent weatherability. A 28 day cure period assures excellent bond strength. The harder the surface, the less moisture it will accept, leaving it less susceptible to damage from freeze/thaw cycles.

Use the PTA System 4 C's of Concrete Renovation to bond Kool Deck Elite, Keystone Kool Deck or Marquee to Existing Concrete.
Clean, Coat, Cover and Cure.

NECESSARY TOOLS
• Nylon Bristle Broom
• 5 Gallon buckets
• Concrete finishing tools
• Drill with rectangular mixing blade

REQUIRED MATERIALS
• PTA Bonding Agent
• Water

Coverage: One carton mixed properly covers 350 ft^2 (32.5 m^2)

NOTE: In warm climates, <u>extreme care should be taken</u> if installation is to take place when temperatures are expected to exceed 95°F (35°C.) This is due to the necessity of the topping to cure after application. In freeze-thaw climates, the finished application should be protected against frost and other severe conditions, for a period of 28 days.

CLEAN AND PREPARE CONCRETE
A clean, sound concrete surface is required. The concrete must be free from dirt, stains, paints, loose toppings and/or deteriorated concrete that may be on the surface of the base concrete.

Note: When evaluating the amount of deck preparation work necessary and the question comes up of whether or not you have done enough the answer is "The More You Do, The Better the Job."

Mask exposed aluminum surfaces and all areas that you wish to protect from over splash. (Cement will corrode and blacken aluminum.) Cover joints and drains with protective tape.

Any major repairs of structural damage in the deck or cracks should be done well in advance of the PTA and topping application.

Any minor repairs such as damaged edges and/or depressions and holes should be made just ahead of surface application.

Any deteriorated concrete and other toppings should be removed using a scarifier first, then a power washer to remove debris.

Acid Wash: All concrete (even 1 day old, green concrete) must be acid washed with a strong solution of muriatic acid to etch the surface. Never put acid on dry concrete. For older concrete, use an acid solution: 1 part acid to 1 part water. For new concrete, use a 1 part acid to 4 parts water. <u>It is **NOT** necessary to neutralize the acid with Trisodium phosphate (TSP).</u> It is important to understand that neutralizers like TSP will leave a film on the deck and will break the bond between the concrete deck and the deck topping.

Wet the prepared surface with water. Keep the entire surface wet for a period of at least one (1) hour prior to using PTA. Before applying the PTA, the area should be damp, but with no standing water.

PTA® Bonding Agent

COAT THE SURFACE WITH THE PTA BONDING AGENT

Mixing Formula – Follow carefully
1 Carton of PTA
1.3 Gallons (5 L) water

1. Place 0.5 gallon (2 L) of water in a 5 gallon bucket and add PTA; mix for two minutes with a drill and a rectangular mixing blade. Let mixture rest for three minutes.
2. Add remaining 0.8 gallon (3 L) of water and blend for three additional minutes until proper consistency is obtained.
3. When mixed with water, PTA should have the consistency of milk. Additional water can be added to maintain consistency.

Application of PTA Instructions
1. At the time PTA is to be applied, the area to receive the mixture should be thoroughly damp with no standing water.
2. If repairs are being made, brush PTA only into the area to be repaired. Then use a rubber float as an applicator and pack holes or depressions with the topping (Kool Deck or Marquee) mixture in a thick enough consistency to avoid craze cracking (dry pack).
4. Next use a broom to scrub PTA onto the entire surface (including the repair area). Be sure to cover surface completely. **VERY IMPORTANT: DO NOT ALLOW PTA TO DRY BEFORE THE KEYSTONE KOOL DECK, KOOL DECK ELITE OR MARQUEE MATERIAL IS APPLIED.**
5. Brush away all excess PTA. Base concrete should be visible through the PTA (thin coat is best).

COVER the surface with Kool Deck Elite, Keystone Kool Keck or Marquee as directed. Follow the mixing, application and troweling instructions then continue with plastic curing process.

VERY IMPORTANT: Do not allow PTA to dry before topping is applied. Apply more PTA onto needed areas and brush it across the surface to maintain moisture.

CURE WITH PLASTIC

VERY IMPORTANT: Immediately after final troweling, cover area with Visqueen (aka Polyethylene Plastic) 2 mil. clear in color and leave covered for precisely two (2) days. Cover areas immediately after troweling and do not wait until you finish the job.

Do not leave covered for more than two (2) days. If the deck surface exhibits white growths when the plastic is removed, wash the surface with water immediately. Use a stiff bristle nylon brush to scrub the surface. During the next 28 days, the deck surface should be washed frequently.

COMPLETION OF WORK
1. Remove tape masking from joints and drains, clean up around the job site and you are finished.
2. A Kool Deck surface contains its own sealer and curing agents, so no further work on the deck surface is required.
3. Remind the deck owner to avoid traversing and placing furniture on the deck until the deck has had time to harden and cure sufficiently to warrant general use. (Approximately 28 days)

AFTER INSTALLATION Light walking traffic after 3 days; Normal walking traffic after 14 days; heavy patio furniture and normal use after 28 days.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Keystone Kool Deck®

Keystone Kool Deck® concrete topping was invented by Mortex in 1962. It is a beautiful surface for swimming pool decks, walkways, patios & virtually any foot traffic area. Once applied it generates a colored, textured cement surface that is as strong as the base concrete.

- Significantly lowers the surface temperature of concrete.
- Cooler than regular concrete under similar conditions, making it a perfect solution for barefoot traffic areas.
- Withstands thermal expansion and contraction better than concrete.
- Proprietary mixture of natural substances and synthetic iron oxide pigments.

Product Detail	Description
Coverage	A properly mixed unit should cover a minimum of 300 ft^2 (28 m^2).
Ctn Contents	One carton contains 8 individual units (bags).
Ctn Measurements	16" x 16" x 11" (41 cm x 41 cm x 28 cm)
Weight	36 lbs (16.3 kg); Exceptions: Sedona Tan: 45 lbs (20.4 kg) White 30 lbs (13.6 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KDAB	Keystone Kool Deck - Adobe Buff
KDAG	Keystone Kool Deck - Aztec Gold
KDAQ	Keystone Kool Deck - Aqua
KDBG	Keystone Kool Deck - Birch Gray
KDCP	Keystone Kool Deck - Coral Peach
KDRP	Keystone Kool Deck - Rose Pink
KDSB	Keystone Kool Deck - Sand Buff
KDST	Keystone Kool Deck - Sedona Tan
KDWH	Keystone Kool Deck - White

Designer Color Collection™

The Designer Color Collection™ are an extension of the Keystone Kool Deck color line. Made of the same durable formula as Mortex's classic Kool Deck toppings, the Designer Color Collection provides additional colors and a beautiful nonskid surface at the same low cost of the classic Kool Deck Colors. The colors of the Mortex Designer Color line are inspired by nature. This palette is made up of deeper hues, designed to compliment a natural landscaping environment. Even though this color collection is darker, it will be more comfortable than plain concrete in the heat of the summer months.

- Withstands thermal expansion and contraction better than concrete.
- Proprietary mixture of natural organic substances & synthetic iron oxide pigments.
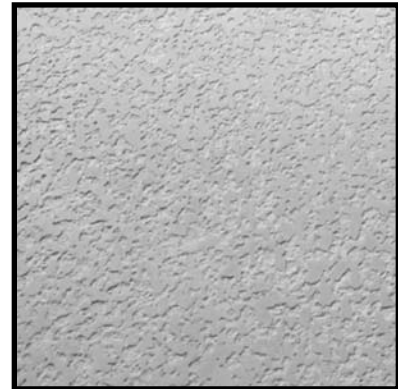
Note: Not as cool as standard Kool Deck topping colors because of their darker shade.

Product Detail	Description
Coverage	A properly mixed unit should cover a minimum of 300 ft^2 (28 m^2).
Contents	One carton contains 6 individual units (bags).
Ctn Measurements	16" x 16" x 11" (41 cm x 41 cm x 28 cm).
Weight	Mauve & Terracotta: 47 lbs (21.3 kg).; T5: 38 lbs (17.2 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
DCM	Designer Color - Mauve
DCT5	Designer Color - T5
DCTC	Designer Color - Terracotta

NOTE: Designer Colors are warmer to the touch than Kool Deck surfaces because of their darker shade.

PRODUCT DESCRIPTION
KEYSTONE KOOL DECK® is a powdered concentrate that when mixed with white cement, marble sand and water, forms a cementitious topping for concrete. KEYSTONE KOOL DECK is ideal for applications where a non-skid, weather-resistant, low-maintenance colored product is desired. The product is cooler than regular concrete under similar conditions, making it <u>a perfect solution</u> for barefoot traffic areas.

INTENDED USE
KEYSTONE KOOL DECK is a concrete topping, especially effective in areas where people are barefoot. Use it on walkways, patios, courtyards and swimming pool decks. It can be used on vertical surfaces as well as horizontal surfaces to significantly lower concrete surface temperatures.

COMPOSITION AND MATERIALS
KEYSTONE KOOL DECK is composed of synthetic iron-oxide pigments and a proprietary mixture of natural and organic substances. KEYSTONE KOOL DECK is manufactured with precise, quality control standards to ensure uniformity of color from bag-to-bag, batch-to-batch and year-to-year.

LIMITATIONS
KEYSTONE KOOL DECK should not be mixed with any other ingredient except those specified in the instructions. These ingredients should be added in the prescribed order and blended in a plaster mixer with rubber wiper blades to ensure uniform color mixing. Unused KEYSTONE KOOL DECK should be stored in a dry place.

TECHNICAL DATA
APPLICABLE STANDARDS
KEYSTONE KOOL DECK performance when tested in accordance with:

ASTM C109-77;
Compressive Strength: 2-inch cube specimens (50 mm)
1) 1300 pounds per square inch after 7 days curing time; within two standard deviations.
2) 1800 pounds per square inch after 14 days curing time; within two standard deviations.
3) 2800 pounds per square inch after 28 days curing time; within two standard deviations.

ASTM C666-84;
Rapid Freezing and Thawing:
Beginning of failure of flat areas after 70 cycles.

ASTM C944-85;
Abrasion Resistance:
1) Maximum 1-gram loss under 2-gram load, with 50 percent flat texture.
2) Maximum 3-gram loss under 6-gram load, with 50 percent flat texture.

ASTM E303;
British Pendulum (BP) Surface Friction

Side	BPN
A	72
B	69
C	68
D	68
Average	69

COLORS
KEYSTONE KOOL DECK® is available in 9 standard colors. 3 DESIGNER COLORS are available. The Designer Colors are warmer to the touch due to their darker shade. All colors are approximately represented on Mortex's color chart. Custom colors are available upon submittal of a color chip. Certain restrictions apply and a minimum purchase of 10 cartons are required. With sufficient notice, our lab can prepare sample color chips for approval.

WEATHER RESISTANCE
KEYSTONE KOOL DECK has excellent weatherability. KEYSTONE KOOL DECK cures to a density and hardness that absorbs less water than standard concrete, giving it very good freeze/thaw durability. Surface deterioration from thermal stress does not occur because the coefficient of expansion and contraction are the same for both base and topping. All of the ingredients in KEYSTONE KOOL DECK are unaffected by ozone or UV radiation as well as pool water chemicals and chlorine.

PACKAGING
KEYSTONE KOOL DECK® units come in plastic bags packaged in corrugated cardboard cartons. Units and cartons vary in weight depending on the color selected. Cartons measure 16" x 16" x 11" (41 cm x 41 cm x 28 cm) and contain six (6) to eight (8) units depending on the color. Weight per carton is approximately 36 lbs to 47 lbs depending on the color.

TEMPERATURE DURING POUR
For best results, temperature during pour work should take place when ambient temperature is above 45°F (7°C). Caution: If frost is predicted at any time during the first 72 hours after placement, the deck must be protected with a curing blanket.

PATCHING KEYSTONE KOOL DECK
Mortex produces a pre-mix repair kit for your convenience. Coverage is approximately 6 sq. ft ($.557m^2$). KEYSTONE KOOL DECK Repair Kits can be ordered from your local distributor or call Mortex Corporate Headquarters for the nearest sales location.

AVAILABILITY
KEYSTONE KOOL DECK is manufactured in Tucson, Arizona U.S.A. It is sold through our nationwide distribution network and to distributors abroad. Contact Mortex Corporate Headquarters or your local distributor to obtain information and the sales location nearest you.

MAINTENANCE
Wash the Keystone Kool Deck surface with water from a garden hose when dirt, leaves, etc., are found. The following are recommendations for common care:
1) Spills should be rinsed off immediately. Spills that result in a stain should be scrubbed with cleanser and water using a nylon scrub brush.
2) Stains can be cleaned with a granular electric dishwasher detergent such as Cascade™. Dilute the detergent in warm water, scrub with a nylon brush and rinse thoroughly. Be sure to wear rubber gloves when handling cleansers.
3) Mortex's Commercial Cleaner can be used to clean heavy stains, suntan lotions and body oils. Gray mineral deposits can collect on the surface over a period of time in heavily used areas such as steps, sprinkler heads and diving boards. These are caused by repeated water evaporation in the same area. Use Mortex's Commercial Cleaner with a floor scrubber and a 3M Scotch Brite stripping pad for these tough stains.
4) **If you have a Salt Water Chlorinator,** it is essential that you rinse and clean your deck frequently. Regular cleaning of your Kool Deck surface after use is an important part of the success of your deck.   Other restrictions may apply.

COLD WEATHER CONCRETING
1) Move to a six-bag mix.
2) Discuss using heated water and aggregates.
3) Use air-entrainment. (See Below.)
4) Be ready to take precautions if temperature drops below 45°F (7°C).
   Note: the first three days after the pour are critical.
5) Use hot water in the KEYSTONE KOOL DECK® mix.
6) Use superplasticizers in the base concrete.

HOT OR WINDY WEATHER CONCRETING
1) Consider a water reducer.
2) Wet subgrade, fog or sprinkle cool water on forms and reinforcing steel.
3) Schedule an early morning, evening or nighttime concrete placement.
4) Have sufficient workers to eliminate delays during construction.
5) Use ice water in the KEYSTONE KOOL DECK mix.
6) Erect wind breaks.

KEYSTONE KOOL DECK & ADMIXTURES: Mortex recommends that no item other than those listed in mixing instructions be added to the KOOL DECK mix. Adding any other substance will alter the chemical balance and can lead to failure of the surface or bond.

A. AIR-ENTRAINING ADMIXTURES: The principal function of an air-entraining admixture is to improve the concrete's resistance to destruction due to freeze-thaw cycles. Air entrainment also reduces bleeding and segregation and normally will cause a slight reduction in concrete strength. In climates where concrete is subjected to freezing and thawing, an air-entrainment admixture is recommended for the base concrete. Note: You may use Master Builders Micro-Air or W. R. Grace DAREX II AEA.
Caution: Do not use lignosulfonate or vinsol resin based admixtures.

B. CALCIUM CHLORIDE: Calcium chloride's function is to accelerate the rate of strength development of concrete so that the need for protection against low ambient temperatures can be minimized. Calcium chloride or admixtures containing chloride ions can cause non-uniform color and should be avoided.

C. WATER REDUCING ADMIXTURES: Water reducing admixtures are organic materials added to the concrete mix to decrease the amount of water required to produce a workable mix. Generally stated, they can increase concrete strength and water tightness, improve workability and finishing results. Note: You may use superplasticizers that are Naphthalene or Melamine based.

D. FIBER: You may use any type of fiber in the base concrete as long as you avoid iron. Technical data and Material Safety Data Sheets on alternative products may be submitted to Mortex for consideration and/or lab approval.

GUIDELINES: Arrival time of concrete: It is important that the scheduling of trucks is such that they arrive just before the concrete is required. This avoids excessive mixing of concrete while waiting.

WARRANTY
Information contained herein is to our best knowledge, true and accurate but all recommendations or suggestions are made without guarantee. Since the conditions, usage and application of our products are beyond our control, Mortex disclaims any liability incurred in connection with the use of our products and information contained herein. No person is authorized to make any statement or recommendation not contained herein, and any such statement or recommendation so made shall not bind the company. Furthermore, nothing contained herein shall be construed as a recommendation to use any product, and no license implied or in fact is granted herein. Mortex further reserves the right to change specifications of products described herein without notice.

Keystone Kool Deck® Instructions

NECESSARY TOOLS
• Mortex Dash Brush
• Paddle type plaster mixer
• 5-Gallon buckets
• Steel Finishing trowels

OPTIONAL TOOLS
• Mortex Viscosity Cup
• Mortex Sprayer or Ad-Tex Sprayer
• Mortex Pattern Blade

> Keystone Kool Deck can easily be applied to existing concrete surfaces properly prepared with our PTA Bonding Agent or to concrete on the very first day of the the concrete pour (green concrete) as described below.

SURFACE REQUIREMENTS
• Be sure to grade so the deck will be uniform in thickness.
• Wet down the sub soil thoroughly just before the pour.
• Cover all walls and aluminum with plastic or paper. (Cement will corrode and blacken aluminum.)

POURING THE SLAB
1. Order a five-bag mix, a little on the rocky side. A faster cure and higher strength may be achieved with a six bag mix.
2. When ordering concrete, stipulate that no additives are to be included in your concrete. Serious problems can result from the use of additives in conjunction with our product. When air-entrainment is necessary, consult with Mortex on the appropriate type to use.
3. After placing the concrete, tamping, and floating, continue to work with the concrete. Good compaction will result in a suitable base. The finished deck will only be as level as the base concrete.
4. Broom to scarify the entire slab. Use a nylon bristled push broom right behind the troweling. Make only one pass. (Do not sweep loose sand to the surface, as this can cause a barrier between the concrete and the Keystone Kool Deck surface.) Leave the mass concrete with open pores for bonding purposes, but not coarse enough that the roughness is revealed through the finished deck surface.

MIXING THE KOOL DECK® TOPPING (FOLLOW CAREFULLY)
The Formula:
1 Unit Keystone Kool Deck
1 Bag White Cement (94 lbs.)
10 Gallons size 20 mesh marble sand
8 Gallons water

Note: A paddle type mixer is necessary for a thorough, uniform blend.

1. Deposit the marble sand into mixer; add just enough water to dampen the sand (1 gallon).
2. Add one Kool Deck unit. Allow this to mix for at least two minutes.
3. Add water (4 gallons) and white cement simultaneously. Allow this stiff paste to turn for three minutes.
4. Add additional water (3 gallons) until the mixture is of a "milky" consistency. If necessary, slightly more water should be added to achieve a thin, milky mixture. Use a viscosity cup to help obtain proper consistency.

SPLASHING THE KEYSTONE KOOL DECK MIXTURE
1. Test the base concrete slab. The concrete base is ready for the surfacing to be applied when it can be walked on without leaving deep depressions, but still shows a water rise when pressed.
2. Pour the mix from the mixer into a five gallon bucket.
3. Begin applying. Dip the brush into the mix covering the full length of the bristles and start splashing the mixture. If necessary, additional water should be added to the Keystone Kool Deck mixture so the material will rain from the brush and have a creamy appearance when splashed.
   The best texture is achieved by raising the brush high and moving the hand forward, snapping back with the wrist. This motion causes the mix to rain from the brush and gives an even, uniform texture.

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4.   Splash on the mixture in even, straight, side by side rows, being sure to overlap so as not to leave any holidays.
5.   Resplash the deck just before the first application has lost its water glaze. When applying the second coat, allow the Kool Deck® mixture to rain down from the Dash Brush. The high texture produced by the second splash is necessary to allow troweling time and to give a better pattern.

Note: The total material thickness should be 1/8".

TROWELING THE KEYSTONE KOOL DECK® SURFACE
1.   Begin to trowel as the water glaze leaves the deck. The pattern is set with the first trowel pass. The trowel must be held perfectly flat with a light hand. (The ideal tool is a Mortex Pattern Blade or a worn, cupped trowel)
2.   The second troweling must follow immediately behind the first. With the trowel held flat, feel for un even surface, leveling it as you go.
3.   A last pass may be necessary to bring the deck into a uniformly dense and color-fast deck surface. The finished deck should reveal approximately a 40% smooth and a 60% void surface. This prevents craze cracking since the knolls may expand and contract from the voids.

COMPLETION OF WORK
1.   Remove tape masking from joints and drains, clean up around the job site and you are finished.
2.   A Kool Deck surface applied to fresh concrete contains its own sealer and curing agents, so no further work on the deck surface is required.

NOTE: If you applied Keystone Kool Deck to existing concrete using the PTA method, remember to cover with plastic after troweling. DO NOT cover with plastic if applied to green concrete as just described.
3.   Remind the deck owner to avoid traversing and placing furniture on the deck until the deck has had time to harden and cure sufficiently to warrant general use. (Approximately 28 days)

AFTER INSTALLATION Light walking traffic after 3 days; Normal walking traffic after 14 days; heavy patio furniture and normal use after 28 days.

POINTS TO REMEMBER
•   Be sure to work the base concrete sufficiently. Areas left unworked are detrimental to a permanent bond.
•   Make sure the Keystone Kool Deck mixture is thin enough. A mixture that is too thick will result in low square foot coverage, poor finished pattern, an accelerated setting time, and more craze cracking. The best Keystone Kool Deck surface is not more than 1/8 inch thick.
•   Apply the Kool Deck mixture while there is still enough moisture in the base concrete to facilitate the curing of the Keystone Kool Deck topping. This will help prevent fast drying.
•   Splash twice. The first splashing should be used to cover the deck. The second splashing will drive the Keystone Kool Deck surface into high peaks for good texture.

IN CASE OF RAIN OR OTHER UNFORESEEN DIFFICULTIES
Should it be necessary to cover the deck with plastic, be sure the plastic is removed as soon as possible. Failure to do so may result is a whitish film on the deck surface.

The manufacturer offers this product and information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.
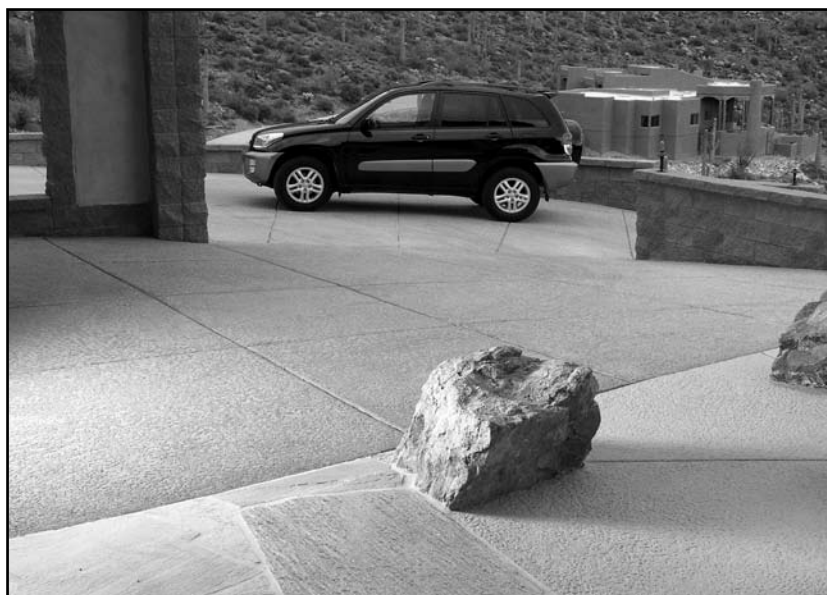
Marquee®

Marquee® is designed to be used on resential driveways, high traffic walkways, swimming pool decks or any other residential or commercial walkway. Marquee is a colorful non-skid surface that provides exceptional resistance to the rigors of temperature changes and abrasion from normal use. Marquee is durable in resisting damage from extreme freeze/thaw temperature changes. This means it looks great season after season, year after year. Marquee is the pavement alternative that is more beautiful and less expensive than pavers, flagstone or brick.

- Marquee is custom made and available by special order only. Allow 2-3 weeks lead time.
- Great for residential decks, walkways, and driveways.
- Three times more wear resistant than ordinary concrete and a hundred times more beautiful.
- More comfortable than bare concrete, even on the hottest summer days.
- Inexpensive compared to other light commercial use toppings.

Product Detail	Description
Coverage	A properly mixed bag should cover a minimum of 60 ft^2 (6 m^2)
Contents	1 - 50 lb bag
Bag Measurements	21" x 11" x 6 1/2" (53.34 cm x 27.94 cm x 16.51 cm)
Weight	1 - 50 lb bag (22.7 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
MQA	Marquee - Amethyst
MQB	Marquee - Brass
MQBR	Marquee - Brick Red
MQBS	Marquee - Brownstone
MQBU	Marquee - Burgundy
MQM	Marquee - Mocha
MQR	Marquee - Russett
MQS	Marquee - Silvertone
MQSL	Marquee - Slate
MQSR	Marquee - Sunset Rose
MQT	Marquee - Terrastone
MXMC1	Mor-Cure - One Gallon
MXMC	Mor-Cure - 5 Gallon
MXWMB	Water Measuring Bucket

PRODUCT DESCRIPTION
MARQUEE is a textured, non-skid, cementitious topping for concrete. MARQUEE Pre-Mix has been formulated to provide exceptional strength and freeze/ thaw climatic durability.

INTENDED USE
MARQUEE is a weathertough pavement for light vehicular traffic as well as heavy foot traffic areas. It can be used at homes, hotels, resorts, office complexes, business entrances, educational facilities and warehouses. Choose lighter colors of MARQUEE for swimming pool decks or areas where a lower surface temperature is desired.

COMPOSITION & MATERIALS
MARQUEE is a compound of iron-oxide pigments, Portland cement, limestone, crystalline quartz and natural and organic substances. MARQUEE is manufactured with precise quality control standards, to ensure uniformity of color from bag-to-bag, batch-to-batch and year-to-year.

LIMITATIONS
MARQUEE has a shelf life of one year. No admixtures should be mixed with MARQUEE Pre-Mix. Do not add calcium chloride to the base mix, as this will cause non-uniform color. MARQUEE should be stored in a dry place.

APPLICABLE STANDARDS
MARQUEE performance when tested in accordance with:
ASTM C109-77; Compressive Strength: 2-inch cube specimens (50 mm)
1) 2100 pounds per square inch after 3 days curing time; within two standard deviations.
2) 2900 pounds per square inch after 7 days curing time; within two standard deviations.
3) 4000 pounds per square inch after 28 days curing time; within two standard deviations.

ASTM C666-84;
Rapid Freezing & Thawing:
Beginning of failure of flat areas after 110 cycles, no delamination after 300 cycles.
ASTM C672-84;
Resistance of Concrete Surface Exposed to De-icing Chemicals:
Beginning of failure of flat areas at edges after 45 cycles.
ASTM C944-85;
Abrasion Resistance:
1) Maximum 1-gram loss under 10-kilogram load, with 50 percent flat texture.
2) Maximum 3-gram loss under 20-kilogram load, with 50 percent flat texture.
ASTM E303;
British Pendulum (BP) Surface Friction: Side A = 72 bpn, Side B = 69 bpn, Side C = 68 bpn, Side D = 68 bpn; Average 69 bpm

COLORS
MARQUEE is available in 11 standard colors. Custom colors are available upon submittal of a color chip. Certain restrictions apply and volume purchase is required. With sufficient notice, our lab can prepare sample color chips for approval.

WEATHER RESISTANCE
MARQUEE is less susceptible to damage from thermal changes than regular concrete and it is unaffected by pool chemicals, de-icing chemicals and chlorine. MARQUEE cures to a hardness that exceeds the federal government strength requirements for concrete used on interstate highways. None of the ingredients in MARQUEE are affected by ozone or UV radiation.

PACKAGING
MARQUEE is available by the bag or pallet. Each bag weighs 50 lbs (22.7 kg). Each pallet includes 50 bags (50 lbs. each), one (1) water measuring bucket and three (3) five gallon buckets of MOR-CURE curing compound (18.9 L per bucket). If Mor-Cur is not ordered it is not included.

MARQUEE & ADMIXTURES

A. AIR-ENTRAINING ADMIXTURES

The principal function of an air-entraining admixture is to improve the resistance of the concrete to destruction due to freeze-thaw cycles. Air entrainment also reduces bleeding and segregation. It will normally cause a slight reduction in concrete strength. In climates where concrete is subjected to freezing and thawing, an air-entrainment admixture is recommended. Note: You may use Master Builders Micro-Air or W. R. Grace DAREX II AEA. Caution: Do not use lignosulfonate or vinsol resin based admixtures.

B. CALCIUM CHLORIDE

Calcium chloride's function is to accelerate the rate of strength development of concrete so that the need for protection against low ambient temperatures can be minimized. Calcium chloride or admixtures containing chloride ions can cause non-uniform color and should be avoided.

C. WATER REDUCING ADMIXTURES

Water reducing admixtures are organic materials added to the concrete mix to decrease the amount of water required to produce a workable mix. Generally stated, they can increase concrete strength and water tightness, improve workability and finishing results. For best results, temperature during pour work should take place when ambient temperature is above 45°F (7°C). Caution: If frost is predicted at any time during the first 72 hours after placement, the deck must be protected with a curing blanket.

COLD WEATHER CONCRETING

1) Move to a six-bag mix.
2) Discuss using heated water and aggregates.
3) Use air-entrainment. (See above)
4) Be ready to take precautions if temperature drops below 45°F (7°C).
   Note: The first three days after the pour are critical.
5) Consider a water reducer.

HOT OR WINDY WEATHER CONCRETING

1) Wet subgrade, fog or sprinkle cool water on forms and reinforcing steel.
2) Schedule an early morning, evening or nighttime concrete placement.
3) Have sufficient workers to eliminate delays during construction.
4) Use ice water in the MARQUEE mix.
5) Erect wind breaks.

PATCHING MARQUEE®

Use MARQUEE Pre-Mix as a repair material. Use Mortex's PTA® System to bond MARQUEE to an existing concrete slab.

MAINTENANCE

Wash MARQUEE with water from a garden hose when dirt, leaves, etc., are found on the surface. Contact Mortex Corporate Headquarters for further care and cleaning information. The following are recommendations for common care:

1) Spills should be rinsed off immediately. Spills that result in a stain should be scrubbed with cleanser and water using a nylon scrub brush.
2) Stains can be cleaned with a granular electric dishwasher detergent such as Cascade™. Dilute the detergent in warm water, scrub with a nylon brush and rinse thoroughly. Be sure to wear rubber gloves when handling cleansers.
3) Mortex's COMMERCIAL CLEANER can be used to clean heavy stains, suntan lotions and body oils. Gray mineral deposits can collect on the surface over a period of time in heavily used areas, e.g. steps, sprinkler heads and diving boards. These are caused by repeated water evaporation in the same area. Use Mortex's COMMERCIAL CLEANER with a floor scrubber and a 3M Scotch Brite stripping pad for these tough stains.
4) **If you have a Salt Water Chlorinator,** it is essential that you rinse and clean your deck frequetly. Regular cleaning of your Marquee surface after use is an important part of the success of your deck.

NECESSARY TOOLS
• Mortex Dash Brush
• Water Measuring Bucket
• Paddle type plaster mixer
• 5-Gallon buckets
• Steel Finishing trowels

OPTIONAL TOOLS
• Mortex Viscosity Cup
• Mortex Ad-Tex Sprayer
• Mortex Pattern Blade

> Marquee can easily be applied to existing concrete surfaces properly prepared with our PTA Bonding Agent or to concrete on the very first day of the concrete pour (green concrete) as described below.
>
> If applying to green concrete, Mor-Cure must be used at the end of the Marquee application.

SURFACE REQUIREMENTS
• Be sure to grade so the deck will be uniform in thickness.
• Wet down the sub soil thoroughly just before the pour.
• Cover all walls and aluminum with plastic or paper. (Cement will corrode and blacken aluminum.)

POURING THE SLAB
1. Order a five-bag mix, a little on the rocky side. A faster cure and higher strength may be achieved with a six bag mix.
2. When ordering concrete, stipulate that no additives are to be included in your concrete. Serious problems can result from the use of additives in conjunction with our product. When air-entrainment is necessary, consult with Mortex on the appropriate type to use.
3. After placing the concrete, tamping, and floating, continue to work with the concrete. Good compaction will result in a suitable base. The finished deck will only be as level as the base concrete.
4. Broom to scarify the entire slab. Use a nylon bristled push broom right behind the troweling. Make only one pass. (Do not sweep loose sand to the surface, as this can cause a barrier between the concrete and the Marquee.) Leave the mass concrete with open pores for bonding purposes, but not coarse enough that the roughness is revealed through the finished deck surface.

MIXING MARQUEE (FOLLOW CAREFULLY)
The Formula:
1 Unit (50 lb Bag) Marquee (22.675 kg)
1.6 Gallons water (6.1 L)

Note: A paddle type mixer is necessary for a thorough, uniform blend.
1. Fill measuring pail with water to black line and pour into a paddle-type plaster mixer.
2. Add one bag of Marquee Pre-Mix and mix for 3 to 5 minutes. You now have 25 minutes in which to apply this mixture. Coverage for this mixture should be 60 ft^2 minimum (5.57 m2).
   Note: Adding more water reduces the strength. Filling past the second line will weaken this product substantially. Caution: A proper dust mask should be worn during mixing, due to this product's cement and finely ground aggregate content.

SPLASHING THE MARQUEE® MIXTURE
1. Test the base concrete slab. The concrete base is ready for the surfacing to be applied when it can be walked on without leaving deep depressions, but still shows a water rise when pressed. Marquee should be applied as soon as possible without stirring green cement to the surface.
2. Pour the mix from the mixer into a five gallon bucket.
3. Begin applying. Dip the brush into the mix covering the full length of the bristles and start splashing the mixture. If necessary, additional water should be added to the Marquee mixture so the material will rain from the brush and have a creamy appearance when splashed. The best texture is achieved by raising the brush high and moving the hand forward, snapping back with the wrist. This motion causes the mix to rain from the brush and gives an even, uniform texture.
4. Splash on the mixture in even, straight, side by side rows, being sure to overlap so as not to leave any holidays.
5. Resplash the deck before the first application has lost its water glaze. The high texture produced by the second splash is necessary to allow troweling time and to give a better pattern.

Marquee® Instructions

NOTE: Total thickness of the Marquee should be 1/8".

TROWELING MARQUEE
1. Begin to trowel as the water glaze leaves the deck. The pattern is set with the first pass. The trowel must be held perfectly flat with a light hand. (The ideal tool is a Mortex Pattern Blade or a worn, cupped trowel)
2. The second troweling must follow immediately behind the first. With the trowel held flat, feel for uneven surface, leveling it as you go.
3. A last pass may be necessary to bring the deck into a uniformly dense and color-fast deck surface.

The finished deck should reveal approximately a <u>40% smooth and a 60% void surface</u>. <u>This prevents craze cracking since the knolls may expand and contract from the voids.</u>

CURING WITH MOR-CURE
Immediately after troweling, spray the deck with Mor-Cure curing compound. Best application of Mortex Mor-Cure is with a construction sprayer. It can be washed from the deck surface in three days or left to dissolve on its own.

POINTS TO REMEMBER
• Be sure to work the base concrete sufficiently. Areas left unworked are detrimental to a permanent bond.
• Make sure the Marquee mixture is thin enough. A mixture that is too thick will result in low square foot coverage, poor finished pattern, an accelerated setting time, and more craze cracking.
• Apply the Marquee while there is still enough moisture in the base concrete to facilitate the Marquee cure. This will help prevent fast drying.
• Splash twice. The first splashing should be used to cover the deck. The second splashing will drive the Marquee into high peaks for good texture.

COMPLETION OF WORK
1. Remove tape masking from joints and drains, clean up around the job site and you are finished.
2. Remind the deck owner to avoid traversing and placing furniture on the deck until the deck has had time to harden and cure sufficiently to warrant general use. (Approximately 21 days)

AFTER INSTALLATION Light walking traffic after 3 days; Normal walking traffic after 14 days; heavy patio furniture, vehicles and normal use after 28 days.

IN CASE OF RAIN OR OTHER UNFORESEEN DIFFICULTIES
Should it be necessary to cover the deck with plastic, be sure the plastic is removed as soon as possible. Failure to do so may result is a whitish film on the deck surface.

WARRANTY
Information contained herein is to our best knowledge, true and accurate but all recommendations or suggestions are made without guarantee. Since the conditions, usage and application of our products are beyond our control, Mortex disclaims any liability incurred in connection with the use of our products and information contained herein. No person is authorized to make any statement or recommendation-not contained herein, and any such statement or recommendation so made shall not bind the company. Furthermore, nothing contained herein shall be construed as a recommendation to use any product, and no license implied or in fact is granted herein. Mortex further reserves the right to change specifications of products described herein without notice.

Mortex Texture Sprayers

Mortex Texture Sprayers are the perfect pumping systems for the contractor who is ready to graduate to a faster, more productive, less fatiguing spray rig. The sprayers include a specially designed wand for application of Mortex texture materials.

- For Kool Deck Elite, Keystone Kool Deck, Marquee & Systex Texture.
- Texture Pump delivers smooth material flow for uniform coverage and consistent pattern.
- Our Exclusive Spray Wand allows material to be kept back at the pump so you're left to manage only the weight of the wand. Wand also sold separately.
- Superior Texture Projection pumping system force feeds material through the texture gun and projects texture farther than a traditional hopper gun.
- 5 gallon and 10 gallon models available.

Product Detail	Description
Contents	Sprayer & Wand Included
	Wand also sold seperately
Carton Measurements	5 gallon:13 x 20 x 20 (33cm x 50 cm x 50 cm)
	10 gallon: 20 x 27 x 28 (50cm x 68cm x 71cm)
	Wand: 3 x 6 x 43 (7 cm x 15 cm x 109 cm)
Weight	5 gallon: 35 lbs; 10 gallon: 77 lbs; Wand: 6 lbs
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KXRTX650	5 gallon Mortex Sprayer RTX650 - Requires a user supplied air compressor
KXRTX1250	10 gallon Mortex Sprayer RTX1250 - Built in air compressor
KXRTXWAND	Mortex Sprayer Wand Only - For RTX Series Sprayers

SPRAYER INSTRUCTIONS

1. The air gage & pressure regulator on the Mortex wand should be set to approx. 12 psi for Kool Deck material and 16 psi for Systex material. This setting may slightly differ depending on the preference of your mixture and the humidity in the air.
2. Attach the wand to the hose.
3. Attach the other end of the hose to the sprayer.
4. Attach a 5 Hp air compressor to the wand.
5. To test the wand and sprayer fill the hopper with water.
6. Turn on the sprayer and the air compressor.
7. Turn the ball valve at the base of the wand to begin the water to flow from the hopper of the sprayer, thru the hose, thru the wand and into an empty bucket. You should open the ball valve 75% for Kool Deck material and 35% for Systex material. You may want or need to adjust these settings depending on your preferences.
8. While testing the sprayer with water, become familiar with the sprayer and the wand and all of their settings.
9. After you feel comfortable using the sprayer with water, empty any remaining water out of the hopper and add properly mixed Kool Deck Elite or Systex texture material to the hopper.
10. Turn the ball valve at the base of the wand and begin to spray the material into a bucket to ensure proper flow of the material.
11. Begin to apply the material to the deck.

WHEN USING SYSTEX TEXTURE MATERIAL you should apply one coat at approximately 85% coverage or the coverage that you desire. Do not exceed 1/8".

WHEN USING KOOL DECK ELITE, KEYSTONE KOOL DECK OR MARQUEE, you should first spray the deck for coverage. Just before the material begins to take up, lightly and quickly pass over the deck again allowing the material to rain down from the wand onto the deck so that high peaks of texture can form. Material should be 1/8" total thickness. This maybe easier accomplished by using a Dash Brush on the second passing.

IMPORTANT: It is extremely important not to allow any material to sit in any part of the wand, the hose or the hopper while you are not using it or when you even set it down for a short amount of time. If you must set the wand down for a moment, do not turn air supply off. Always use water to clean the material out and keep all parts clean.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

DASH BRUSH

To achieve the quality surface texture your client is looking for, Mortex's Dash Brush is the perfect tool for small to medium applications of Keystone Kool Deck, Kool Deck Elite, Designer Colors or Marquee.

• Made with high quality materials to last.
• Cleans up easily.

Product Detail	Description
Contents	Sold individually or by the carton (12 ctn)
Carton Measurements	16" x 16" x 11" (41 cm x 41 cm x 28 cm)
Weight	13 lbs (5.4 kg) per carton
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KXDB	Dash Brush (12 ctn)

VISCOSITY CUP

Mortex's Viscosity Cup helps the contractor determine the correct amount of water for the mixture. To use a Viscosity Cup, tape handle to a yardstick to keep hands and arms out of the mixer or bucket. Stop mixer and fill cup full with material. Lift cup out of material and start clock. The Viscosity Cup should drain in 17 seconds for best results on flat surfaces of Kool Deck Elite, Keystone Kool Deck and Designer Colors; 20 seconds for Marquee.

• Helpful in adjusting the consistency of material for a proper deck finish.
• To be used with Kool Deck Elite, Keystone Kool Deck, Designer Colors or Marquee.

Product Detail	Description
Contents	Sold individually
Carton Measurements	Varies
Weight	Varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KXVCUP	Viscosity Cup

PATTERN BLADE™

A quality surface texture requires a good pattern to be initially set. the Pattern Blade™ helps make small work of lightly setting the pattern on the splashed deck. The Pattern Blade is designed for use with Kool Deck Elite, Keystone Kool Deck, Designer Colors, or Marquee.

• Made with telescoping handle for reaching greater distances.
• Can also be used with other quality hand tools available from Mortex.

Product Detail	Description
Contents	Sold individually
Carton Measurements	With handle:3" x 6" x 79" (7cm x 15cm x 200.7cm)
	Without handle:3"x6"x25" (7cm x 15cm x 63.5cm)
Weight	With handle: 6 lbs (2.7 kg)
	Without handle: 2 lbs (0.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
TPB	Pattern Blade with Handle
TPBNH	Pattern Blade - No Handle
TPBB	Pattern Blade Replacement Bracket

Tools & Accessories

TROWELS, STAMP PADS, BUCKET, GAGE RAKE

| Product Detail	Description
Contents	Sold individually
Carton Measurements	Varies
Weight	Approximate ship weight varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Item #	Description
T06108	14" x 4" Pool Trowel - Long Shank
T06109	16" x 4" Pool Trowel - Long Shank
T06632	16" x 4" Blue Steel Trowel
T65GB	6.5 Gallon Bucket
PXGR	Gage Rake
PXSHAND	Stamp Pad - Hand Stamp Flagstone
PXSHANDS	Stamp Pad - Hand Stamp Slate
PXSHANDK	Stamp Pad - Hand Stamp - Kool Deck
PXSFLAG34	Stamp Pad 3' x 4' - Flagstone
PXSSLATE34	Stamp Pad 3' x 4' - Slate
PXSKOOL34	Stamp Pad 3' x 4' - Kool Deck Stamp
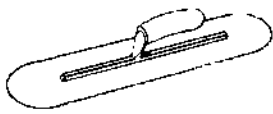
Stamp Pads

Pool Trowel
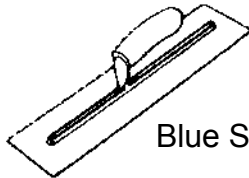
Blue Steel Trowel
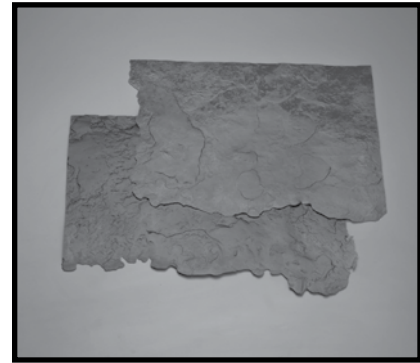
Gage Rake

Ad-Tex® Sprayer

Ad-Tex® is a non-mechanical, low pressure sprayer for applying Kool Deck Elite, Keystone Kool Deck, Marquee or Designer Colors. The Ad-Tex Sprayer is NOT to be used with Systex. The Ad-Tex sprayer makes small work out of larger deck applications and gives better uniformity of texture with more control of topping thickness.

- Faster than application by Dash Brush.
- Easier and less physically demanding.
- Easy on upkeep, simply rinse with water.
- Better uniformity of texture with more control of topping thickness.
- Portable mounting on its own cart.
- Ad-Tex tank hold 20 gallons of mixed product.
- Requires a 5 hp air compressor.

Product Detail	Description
Contents	Pre-assembled, complete with: Tank, 30 ft Hose, Nozzle Assembly, Wand Assembly, Choice of 5 mesh Marquee Screen or 10 mesh Kool Deck Screen
Ctn Measurements	Pallet measures 36" x 42" x 54" (90 cm x 105 cm x 138 cm)
Weight	170 lbs (47 kg)

Item #	Description
KXADTEX	Ad-Tex Sprayer
KXHOSEXT	30' Hose Extension Assembly
KXNOZASS	Sprayer Nozzle Assembly
KXSCRE	Sprayer Screen For Kool Deck (10 Mesh)
MXSCRE	Sprayer Screen For Marquee (5 Mesh)
KXWANDV	Sprayer Wand with Material Adjust Valve

Kool Deck® Repair Kits

Mortex Kool Deck Repair Kits are a reliable solution for an unexpected problem. They are specially designed for ease of application and are a quick and easy way to complete a small repair. Each Repair Kit contains enough Bonder and Texture Material to cover 6 square feet.

- A quick way to complete small repairs
- Pre-mixed for your convenience
- Cost effective by mixing only what you need
- Made with naturally occurring mineral compounds

Product Detail	Description
Coverage	6 ft^2 per carton (1.8 m^2)
Contents	Kool Deck Pre-Mix, PTA Bonding Agent, Repair Kit Applicator, Plastic
Ctn Measurements	7" x 7" x 9.5" (17 cm x 17 cm x 24 cm)
Weight	6 lbs (2.72 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KXRKAB	Repair Kit Pre-Mix - Adobe Buff
KXRKAQ	Repair Kit Pre-Mix - Aqua
KXRKAG	Repair Kit Pre-Mix - Aztec Gold
KXRKBG	Repair Kit Pre-Mix - Birch Gray
KXRKCP	Repair Kit Pre-Mix - Coral Peach
DCXRKM	Repair Kit Pre-Mix - Mauve
KXRKRP	Repair Kit Pre-Mix - Rose Pink
KXRKSB	Repair Kit Pre-Mix - Sand Buff
KXRKST	Repair Kit Pre Mix - Sedona Tan
DCXRKT5	Repair Kit Pre-Mix - T-5
DCXRKTC	Repair Kit Pre-Mix - Terra Cotta
KXRKWH	Repair Kit Pre-Mix - White

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Repair Kit Instructions

NECESSARY SUPPLIES
- Trowel
- Sponge or Towel
- Bucket

OPTIONAL TOOLS
- Stiring Drill
- Sand (see "Curing" below)

Coverage: Approximately 6 ft^2

SURFACE REQUIREMENTS
- The area being patched must be free of loose and deteriorated concrete.
- The surface must also be free of organic contamination.
- Before acid etching, soak not only the area being patched, but the surrounding deck with water.
- Use a solution of 1 part Muriatic acid to 1 part water. Confine the acid to the area being patched. When the surface is free of organics the solution will boil vigorously on contact.
- Until you have thoroughly scrubbed and rinsed the deck of the cement residue created by acid, never allow the deck to dry.
- Keep the area being patched completely wet until you're ready to apply the PTA bonder.

MIXING PTA® BONDER
NOTE: <u>DO NOT INTERMIX THE PTA BONDER AND KEYSTONE KOOL DECK TOGETHER</u>

Mixing Ratio: 2 parts PTA to 1 part water.
- Put half of the necessary water and all of the PTA powder into a quart pail. Stir vigorously for 2 minutes.
- Allow mixture to stand for 3 minutes.
- After a 3 minute waiting period add the remaining half of water and mix thoroughly. During the 3 minute waiting period, mix the Keystone Kool Deck.

MIXING KEYSTONE KOOL DECK®
- While mixing, slowly add 24 oz. (710 ml.) of water to the pail containing the premixed Keystone Kool Deck.
- Mix briskly until the Kool Deck material is well blended and smooth.

COAT WITH PTA
- At this time the patch area must be thoroughly soaked with water. Then blot up any surface water.
- Use the applicator to "scrub" on a thin coat of the PTA bonder.
- Remove any PTA from the surrounding KOOL DECK material.

COAT WITH KOOL DECK MATERIAL
- Rinse the PTA from the applicator. <u>DO NOT</u> Intermix PTA and Kool Deck.
- Begin the covering process by splashing Kool Deck material into the PTA. <u>DO NOT let the PTA dry before applying the Kool Deck material.</u>
- Before the Kool Deck loses its water glaze, resplash using just a small amount of Kool Deck in the applicator to produce high peaks.
- While you are waiting for the Kool Deck to become ready for trowelling, clean off over-splash from the surrounding deck.

TROWELLING
- When the water sheen begins to leave the Kool Deck material, start the trowelling process.
- Use only enough pressure to flatten the high points on the first pass.
- After a few minutes make a second pass with the trowel, using enough pressure to make the size and surface condition of the flats match the surroundings.

CURE WITH PLASTIC
- Be sure to clean off any unwanted Kool Deck or PTA material at this time, cleaning later may be impossible.
- <u>Cover repaired area with plastic immediately after final troweling.</u> Weight the plastic with sand.
- Keep the plastic on for <u>EXACTLY TWO DAYS</u>.
- After two days, remove the plastic and wash the area using a stiff bristle brush and clean water.
- Immediate washing of the patch will prevent mineral deposit discoloration.
- Frequent washing of the area for 6 weeks will greatly improve its strength.

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Protect - A - Deck™

Mortex Protect-A-Deck™ is the product you need to shield mineral surfaces against the harmful effects of moisture and extreme temperature change. Protect-A-Deck can be used on Kool Deck Elite, Keystone Kool Deck, Designer Colors, Marquee, Gypsum, Stucco or Brick.

- Curbs deteriorating effect of water and salts on concrete with durable water repellency (5 to 10 yrs.)
- Reduces efflorescence
- Chemically attaches to any mineral surface and bridges hairline cracks.
- Apply with a construction sprayer.
- Does not affect color of sprayed surface and will not change surface texture.
- Solvent-Free Silicone Siloxane.
- Not intended for use on Systex or Systex Stamp

Product Detail	Description
Coverage	1600 - 2400 ft^2 per gallon (148-223 m^2)
Contents	1 gallon (3.79 L)
Ctn Measurements	12.75" x 12.75" x 12.65" (32.4 cm x 32.4 cm x 31.7 cm)
Weight	10 lbs (4.5 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, Air

Catalog Item #	Description
KPAD	Protect-A-Deck

INSTRUCTIONS

SURFACE REQUIREMENTS
- Concrete surface (or Mortex topping) must be a minimum of 28 days old before applying Protect-A-Deck
- Clean, dry and free from stains
- Temperature at time of application should be between 40° and 95°F (4° and 35°C)
- Temperature for the next 24 hours should also remain within the range of 40° to 95°F

MIXING
Mix only what you need. Mix 1 part Protect-A-Deck to 15 parts water by volume. The mixed solution will have a usable life span of 3 hours.
Note: Always keep the original container closed, as exposure to moisture starts a chemical reaction much like the hydration of cement. Once Protect-A-Deck hydrates, it will not bond to cement.

APPLICATION
Use a construction sprayer to apply the solution. Apply 2 to 3 coats to the surface. Wet surface thoroughly with solution but do not create puddles. Allow time between coats so that the solution can penetrate the surface, but do not allow the surface to dry between coats. Coverage varies depending on number of coats, porosity of surface and temperature of surface at the time of application. The warmer the temperature, the more material you will use.

Caution: Wear goggles and rubber gloves when handling. For cleanup, wash skin and equipment with soapy water.

Note: For maximum repellency, a three (3) day cure period, void of rain, is essential.

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Coping Mask™

Coping Mask™ is a fast, simple, brush on coating for the protection of coping and other non-porous surfaces during the concrete pour. Coping Mask prevents the bonding of cement and cement based toppings, such as Keystone Kool Deck, Kool Deck Elite or Marquee to surfaces without damaging the surrounding concrete.

- Eliminates, in some instances, the use of paper or plastic coverings
- Deters the staining caused by concrete, mud, soaps and shoe marks
- Applies easily with a large paint brush
- Removes quickly with a stiff bristled brush

Product Detail	Description
Coverage	Varies with application
Contents	5 gallon bucket (18.9 L)
Ctn Measurements	12" diameter x 15" H (30.5 cm x 38 cm)
Weight	40 lbs (18.1 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
KCM	Coping Mask

INSTRUCTIONS:
Apply with a large paint brush and remove with a stiff bristled brush and a garden hose.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Commercial Cleaner

Expose the original beauty of concrete decking when you clean with Commercial Cleaner. It is low in cost, simple to use and easy to store. Commercial Cleaner is the strongest cleaner you can safely use on your Kool Deck Elite, Keystone Kool Deck, Designer Colors or Marquee surfaces.

- Can be used as a pre-scrubbing spot cleaner
- Lifts out imbedded grime with bubbling cleaning action
- Simple to use on dirt and grime, leaf stains, rust stains or fertilizer stains.

CAUTION: This product contains acid. Protect eyes with goggles. Wear protective clothing including rubber boots and rubber gloves.

Product Detail	Description
Coverage	1 cup cleans approximately 100 ft^2 (9.29 m^2)
	1 gallon container cleans 1600 ft^2
Contents	Available in one gallon dry mixture
Ctn Measurements	9" x 9" x 8.5" bucket (23 cm x 23 cm x 22 cm)
Weight	9 lbs (4.05 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, Air

Catalog Item #	Description
KCCOM	Commercial Cleaner

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Commercial Cleaner Instructions

**Excellent for cleaning Keystone Kool Deck, Kool Deck Elite,
Designer Colors or Marquee surfaces.**

- Spot or general cleaning
- Dirt and grime
- Leaf stains
- Rust stains
- Fertilizer stains
- Mineral deposits
- Easy to store

CAUTION: This product contains acid. Protect eyes with goggles. Wear protective clothing including rubber boots and rubber gloves.

Cleaning is a 2 part process. Part 1 must always be followed by Part 2

PART 1: Mixture for heavily soiled or stained areas.
Combine: 1 cup cleaner & 1 gallon water
Instructions: First wet the stain and sufficient area around it so that the cleaner does not come in contact with dry cement. Pour small amount of solution on the stain. Scrub vigorously for 30 seconds with a stiff nylon bristle brush. Rinse immediately. Repeat the process 2-3 times if necessary.

PART 2: Mixture for the cleaning of the entire surface of the deck.
Combine: 1 cup cleaner & 5 gallons water
(This should clean approximately 100 sq feet per gallon.)
Instructions: Wet the deck thoroughly with water and then pour small amounts of the solution over the deck. Use a large Nylon Bristle Broom to scrub the solution over the deck ensuring to scrub the entire deck. Make sure to keep the entire surface wet at all times. After scrubbing, rinse the deck with water from a garden hose. This process may need to be repeated at least 1-2 more times.

Note: If any of the solution should run or splash onto the already scrubbed area be sure to scrub and rinse again. Failure to do this will leave a residue (white film).

EXPERIENCED CONTRACTORS ONLY:
In some cases a more extreme method of cleaning may need to be used. Mortex recommends this method to contractors only. The contractor must also be experienced in using Heavy Duty Floor Buffers. After using the procedure in Part 1, follow the next steps. Combine 1 cup of cleaner and 5 gallons of water. Wet the deck thoroughly with water and pour small amounts of solution on the deck. Use a 3M stripping pad (medium duty) and a heavy duty floor buffer to spread the cleaner and scrub the deck. Run the buffer over the deck making even passes with a 1/3 overlap. Scrub the entire surface keeping the deck wet at all times. Rinse the deck. Stay 2-3 feet behind the scrubber and wash the deck thoroughly with water.

Note: If any of the solution should run or splash onto the already scrubbed area be sure to scrub and rinse again. Failure to do this will leave a residue (white film).

Note: This process <u>CAN NOT</u> be used on Systex or Deck Painted surfaces.

WARNING: This product can attack cement.
Overuse can cause damage to decorative concrete toppings.

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Systex® Deck Paint

Systex Deck Paint is formulated to provide a tough, durable, breathing film for the protection of previously painted, unpainted or textured concrete pool decks and walking surfaces. Systex paint will resist the effects of weather, water, abrasion, and pool chemicals. Available in a variety of flat finish colors, Systex paint coordinates perfectly with other Mortex product colors and enhances the beauty of any walkway, deck or backyard pool area.

- Can be applied to a damp surface; in fact, water helps the paint cure. In extremely dry areas, the deck should be misted with cool water prior to painting.
- Acrylic polymer is extremely sun fast and resistant to the sun's UV rays.
- Acrylic is tough, abrasion resistant and scrubbable
- Rollable. Cleans up with soap and water.
- Can apply two coats in one day, only two hours apart.

IMPORTANT: <u>Does NOT provide cooling properties.</u> When applied to your Kool Deck® or concrete surface, the area will become hotter and slicker

Product Detail	Description
Coverage	125 - 150 ft^2 per gallon on bare, sandblasted or rough surfaces (3.3 - 4 m^2)
	250 - 300 ft^2 per gallon on recoats (23.23 m^2 x 27.87 m^2)
Contents	4 - 1 gallon units
Ctn Measurements	2 boxes that are each: 17" x 9" x 10" or 4 boxes that are each: 9" x 9" x 10"
Weight	12 lbs (5.44 kg) per gallon
Shipping Information	UPS, FedEx, Freight Truck, Ocean, Air

Catalog Item #	Description
PXPAA	Systex Deck Paint – Aqua
PXPAD	Systex Deck Paint – Almond
PXPAN	Systex Deck Paint – Auburn
PXPCY	Systex Deck Paint – Clay
PXPGD	Systex Deck Paint – Gold
PXPGY	Systex Deck Paint – Grey
PXPIY	Systex Deck Paint – Ivory
PXPMT	Systex Deck Paint – Malt
PXPPH	Systex Deck Paint – Peach
PXPRE	Systex Deck Paint – Rose
PXPRC	Systex Deck Paint – Rustic
PXPTN	Systex Deck Paint – Tan
PXPTE	Systex Deck Paint – Taupe

Kool Deck® Topping Color Match Chart

If you have an existing Kool Deck topping, use this chart to find the corresponding paint color.

Paint...... Kool Deck
Aqua ...... Aqua
Auburn ... Mauve
Clay........ Terra Cotta
Gold .... Aztec Gold
Grey .... Birch Grey
Peach..... Coral Peach
Rose ...... Rose Pink
Rustic..... Sedona Tan
Tan......... Sand Buff
Taupe..... T-5

Keep in mind that the Deck Paint colors will not match exactly to your existing Kool Deck surface. Systex Deck Paint does NOT provide cooling properties and will make the surface hotter and slicker.

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Systex® Deck Paint Instructions

Necessary Tools
• 3/4" Nap Rollers
• Paint Brushes for detailing
• Granular dishwashing detergent or Mortex Commercial Cleaner
• High Pressure Washer
• Mechanical mixer (this can be a paddle attachement to a power drill

Optional Tools
• 5 gallon bucket

Coverage
• 125-150 sq. ft. on bare, sandblasted or rough surfaces
• 250-300 sq. ft on recoats

Coverage and the number of coats will vary depending on porosity and texture of the surface. Care should be taken not to apply to much paint. Applying too much paint will require longer drying times prior to allowing traffic. Thinning is not required.

Note: It is best to apply two thin coats opposed to one thick coat.

SURFACE PREPARATION
The keys to a successful Systex Deck Paint job are proper Surface Preparation and Correct Application. By following these simple steps, you're ensuring a virtually maintenance-free paint surface on your pool, walkway or deck.

Step 1: The area to be painted should be tested for integrity and soundness. Water blast the surface to remove any loose paint or dirt.

Step 2: Scrub the entire deck with granular dishwashing detergent or Mortex Commercial Cleaner. The deck should be completely free of dirt, oils, loose or peeling paint and chalk.

Step 3: High pressure wash the surface.

Step 4: Allow the deck to dry completely. In extremely dry areas the deck can be slightly damp, but with no puddles.

MIXING THE PAINT
Systex Deck Paint is self-priming; no other type of primer is recommended or should be used. Mechanically mix the paint to achieve uniform consistency and color. If you are using more than one (1) gallon of paint at a time, it is necessary to intermix and mechanically mix several gallons together.

Step 5: Use not more than a 3/4" nap roller. Apply at the recommended coverage rate.

IMPORTANT: Do not paint when rain is imminent.

Notes: *Surface temperature should be at least 50º F. Ideal air temperatures for application are between 50-85º F. Not intended for an immersion surface or in areas subject to vehicular traffic. Not recommended for wood decks. New concrete must be cured a minimum of 28 days.*

Systex® Polymer Texture Deck System

SYSTEX® polymer concrete deck system leads the industry in quality and ease of use. Systex is a three step system that provides a beautiful complement to new or existing pool decks, patios and other concrete decks. Homeowners and businesses can choose from an array of attractive colors, and get polymer durability that stands up to wear and weather for years.

- Surface cleans up easily and is resistant to oil and grease stains better than plain concrete.
- Has the durability to withstand high heat and freeze/thaw conditions.
- Texture gives a great look to otherwise drab or worn concrete.
- Systex can be used with stencil and other decorative applications.

Product Detail	Description
Coverage	Bonder: Average of 1600 ft^2 per 5 gallon bucket Texture: 125 ft^2 per 50 lb. bag (18.6 m^2 per 22.68 kg) Color: Average of 600 ft^2 per 5 gal. bucket
Contents	Bonder: 5 gallon bucket (18.92 L) Texture: 50 lb. bag (22.67 kg) available in Tan or Grey Color: 5 gallon bucket (18.92 L)
Ctn Measurements	Bonder: 12" Diameter x 15" height (30.5 cm x 38.1 cm x 38.1 cm) Texture: 21" x 11" x 6 1/2" (53.3 cm x 27.9 cm x 16.5 cm) Color: 12" diameter x 15" height (30.5 cm x 38.1 cm)
Weight	Bonder: 40 lbs per 5 gallon bucket (18.1 kg) Texture: 50 lbs. per bag (22.7 kg) Color: 60 lbs. per 5 gallon bucket (27.3 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
PSB	Systex Bonder
PSTG	Systex Texture – Grey
PSTT	Systex Texture – Tan
PSCAD	Systex Color – Almond
PSCAA	Systex Color – Aqua
PSCAN	Systex Color – Auburn
PSCCY	Systex Color – Clay
PSCGD	Systex Color – Gold
PSCGY	Systex Color – Grey
PSCIY	Systex Color – Ivory
PSCMT	Systex Color – Malt
PSCPH	Systex Color – Peach
PSCRE	Systex Color – Rose
PSCRC	Systex Color – Rustic
PSCTN	Systex Color – Tan
PSCTE	Systex Color – Taupe

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PRODUCT INFORMATION
SYSTEX® is a three-step polymer concrete deck system.

INTENDED USE
SYSTEX is a polymer concrete topping for use on walkways, patios, courtyards and swimming pool decks. It can be used on new and existing concrete surfaces. The SYSTEX surface is more resistant to oil and grease stains than plain concrete. The SYSTEX System offers an extensive color palette to assist in creating a personalized exterior design – a beautiful look to otherwise drab or worn concrete.

COMPOSITION AND MATERIALS
SYSTEX is composed of a proprietary mixture of organic and inorganic substances. SYSTEX is manufactured with precise quality control standards, to ensure uniformity.

LIMITATIONS
SYSTEX should not be mixed with any other ingredient except those specified in the instructions. None of the SYSTEX products are to be mixed together. These products should only be applied in the prescribed order. New concrete should cure for 28 days for best results. Unused SYSTEX bonder and color products are to be kept covered, keeping them from drying out. If the bonder or color dries out or freezes, it is not usable. SYSTEX texture should be stored in a dry place.

APPLICABLE STANDARDS
SYSTEX performance when tested in accordance with ASTM C666-84;
Rapid Freezing and Thawing: Advanced polymer chemistry gives SYSTEX a superior bonding agent that is capable of withstanding 200 freeze/thaw cycles.

COLORS
SYSTEX is available in 13 standard colors. These colors are approximately represented on Mortex's color chart.

WEATHER RESISTANCE
SYSTEX has good weatherability. SYSTEX cures to a density and hardness that absorbs less water than standard concrete, giving it good freeze/thaw durability. A SYSTEX application is unaffected by ozone or UV radiation. SYSTEX is also unaffected by pool water chemicals and chlorine.

WARRANTY
Information contained herein is to our best knowledge, true and accurate but all recommendations or suggestions are made without guarantee. Since the conditions, usage and application of our products are beyond our control, Mortex disclaims any liability incurred in connection with the use of our products and information contained herein. No person is authorized to make any statement or recommendation not contained herein, and any such statement or recommendation so made shall not bind the company. Furthermore, nothing contained herein shall be construed as a recommendation to use any product, and no license implied or in fact is granted herein. Mortex further reserves the right to change specifications of products described herein without notice.

Systex® Texture Instructions

NECESSARY TOOLS
- Hopper Gun
- Air Compressor
- Square Blade Mixing Paddle
- ½" Heavy Duty Drill
- Several 5 or 6.5 gallon buckets
- Several 9" x ¾" nap rollers
- Heavy Duty paint rolling handle
- Sponges
- Steel Finishing trowels (round not square)
- Paint Brushes for detailng

OPTIONAL TOOLS
- Mortex Sprayer
- V-Shaped Foam Roller
- Mortex Dash Brush

SURFACE PREPARATION
1. Mask off adjoining areas to prevent damage and clean up problems. Also, tape off joints and drains.
2. Apply to a clean, sound concrete surface. The length of cure depends on the severity of deck exposure (3 to 28 days).
3. If you patch cracks and holes, allow for adequate drying time.
4. Scrub muriatic acid over the damp deck, followed immediately by a high-pressure wash. For the best bond adhesion, <u>do not apply a neutralizer such as TSP or any other cleaning agent after acid washing.</u>

STEP ONE - BONDER APPLICATION This product provides a bond between the concrete surface and the polymer texture. Do NOT mix the bonding agent with either the polymer texture material (SYSTEX Step 2) or the color coat (SYSTEX Step 3).

When the bonder is applied properly, you can expect coverage of 300 to 350 ft^2 per gal. (8 to 9 m^2 per liter) or 1600 ft^2 per 5 gallon bucket.

BONDER APPLICATION
1. Stir Bonding Agent, if necessary, but do not add water. Cover Bonding Agent container when not in use. If it dries out, <u>it is not rewettable or usable.</u>
2. Apply Bonding Agent when the concrete's surface temperature is above 50 °F and below 90 °F (10°C to 32°C). Under high heat conditions, mist the concrete with water to lower its temperature, but do not apply the Bonding Agent on wet concrete. As a general rule, the warmer the surface, the faster the drying time.
3. Use a 3/4'' nap roller. Dip roller directly into container to apply.
4. Spread a thin, even coat. Use a V-shaped foam roller to work the bonder into crevices and joints.
5. Remove all excess Bonding Agent, especially from grooves and joints, before it dries.
6. If a spot is missed, it can be filled in, even after the total area is dry.
7. When the Bonding Agent is wet, it is a white color. When dry, it becomes clear.
8. The Bonding Agent must dry before it gets rained on.
9. You have up to 2 days to continue on with SYSTEX® texture (Step 2)
10. Clean rollers with water. To make it easier to start and stop, keep rollers wet until ready for cleanup.

STEP TWO - TEXTURE APPLICATION
This product is mixed with water, applied on top of the bonding agent and is troweled to result in a textured surface. <u>Do NOT</u> mix the polymer texture with the bonding agent or color coat.
When this product is applied properly, you can expect coverage of 65 to 200 ft^2 per 50 lb bag. The average product usage is 125 ft^2 per bag.

SURFACE PREPARATION
1. Apply this product only after the Bonding Agent has been applied, and has completely dried clear.
2. You must mask all adjoining areas(including joints & drains) to prevent damage and clean-up problems.
3. If there is any dirt or other material on the deck, hose it off. <u>Do not power wash or use a leaf blower or a broom to clean surface.</u>

MIXING
1.   Pour 1/4 gallon of water into a clean 5 gallon bucket.
2.   Place your square bade mixing paddle (attached to a drill) into the bucket.
3.   Begin to add the 50 lbs of texture while mixing and adding 1/2 gallon more water. You may have to add more water to get a smooth consistency. Mix as a thick paste before adding water for final consistency.
4.   <u>Allow the mixture to stand for 2 minutes.</u> Although the material will have appeared to setup, it is still fluid. The polymers in the mixture must have time to turn to a liquid or else a failure can occur.
5.   Mix the material again for approximately one minute until it is the consistency of buttermilk.

TEXTURE APPLICATION
1.   Prepare a clean, texturing-type hopper gun. Set the 3/8'' orifice and adjust the air to 17 psi..
2.   Wet the hopper, fill it with the Systex Texture and begin spraying. Full coverage is not necessary, just a sufficient amount to produce an even "knockdown" pattern when troweled. (If you have experience applying Mortex KEYSTONE KOOL DECK®, you can also use a dash brush to apply the Polymer Texture.)

TROWELING
1.   Use a 14'' round-ended pool trowel. Have a wet sponge or rag with you at all times to wipe off excess Polymer Texture material as you trowel. A clean trowel will also allow a smoother finish.
2.   Start to trowel as the water glaze leaves the material. If you wait too long before troweling, it will be difficult to give the surface a smooth finish.
3.   Establish a nice, even texture. Do not hard finish the surface like normal concrete. Simply establish the flats, then quit.
4.   Clean up tools with water and a wire brush.

STEP THREE - COLOR APPLICATION This product is applied on top of the polymer texture to add color. Its polymer chemistry adds chemical and moisture protection to the surface. <u>DO NOT</u> mix the polymer color coat with the bonding agent (SYSTEX Step 1) or texture (Step 2). The color coat can be applied with paint rollers or through a paint sprayer. Use of a paint roller provides a stronger paint surface. When this product is applied properly, you can expect coverage of 600 sq feet per 5 gallon bucket.

COLOR SEAL APPLICATION
1.   The Texture must be almost, but not completely dry before applying the Color Coat. The surface should begin to have a splotchy, white and gray appearance. Best results occur when the Texture and Color Coat dry at the same time.
2.   **IMPORTANT:** <u>If you are using more than one bucket of material it is necessary to intermix and mechanically mix several buckets together. Do not dilute the Color Coat material with water.</u>
3.   Dip a 3/4'' nap roller directly into the bucket and "paint" the surface with overlapping strokes, being careful to get the material deep into the texture. Use a V-shaped foam roller to work the coating into crevices and joints.
4.   The warmer the temperature, the shorter the drying time.
5.   Clean rollers with water.

COMPLETION OF WORK
1.   Remove tape masking from joints and drains, clean up around the job site, and you are finished.
2.   Remind the deck owner to avoid traversing and placing furniture on the deck for a minimum of two weeks. The deck has to have time to harden and cure sufficiently to warrant general use.

AFTER INSTALLATION
Restrict to light use for a minimum of three days. Placing of patio furniture, hard-soled shoes and heavy use of surface should be avoided for at least two weeks.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Systex® Stamp

Stamped patterns create beautiful, durable topping possibilities. Systex Stamp is a versatile polymer concrete deck system that is ideal for renovation or custom concrete decks. This quality Mortex product allows the contractor to create unique and beautiful stamped patterns on existing concrete decks and walkways. Systex Stamp provides limitless color and pattern possibilities. From brick to rock patterns, this product allows for maximum creativity when a unique solution is required.

- Natural looking textures offer limitless range of decorative applications.
- Surface cleans up easily and is resistant to oil and grease stains better than plain concrete.
- Has the durability to withstand high heat and freeze thaw conditions.
- Endless, natural looking textures gives a great look to otherwise drab or worn concrete. Limitless range of decorative applications.
- Systex Stamp can be used with all types of stamp patterns and templates.

Product Detail	Description
Coverage	Bonder:300-350 ft^2 per gallon (8 to 9 m^2 per liter). Average of 1600 ft^2 per 5 gallon bucket Stamp Material: 40 to 45 ft^2 per 50 lb. bag Systex Clear Seal: 625 to 750 ft^2 per 5 gallon bucket Systex Release: 1500 ft^2 per 5 gallon bucket Stamp Color: Variable
Contents	Bonder: 5 gallon bucket (18.92 L) Stamp Material: 50 lb. bag available in Tan or Grey (22.67 kg) Systex Clear Seal: 5 gallon bucket (18.92 L) Systex Release: 5 gallon bucket (18.92 L) Systex Stamp Color: 2 lb. bags (0.9 kg) available in black, brown, red and red brown Stamp Pad: 3' x 4' nominal - Flagstone or Slate Hand Stamp Pad: 16" x 22" nominal - Flagstone or Slate
Ctn Measurements	Bonder: 12" diameter x 15" height (30.5 cm x 38.1 cm) Stamp Material: 21" x 11" x 6 1/2" (53.3 cm x 27.9 cm x 16.5 cm) Systex Clear Seal: 12" diameter x 15" height (30.5 cm x 38.1 cm) Systex Release: 12" diameter x 15" height (30.5 cm x 38.1 cm) Stamp Pads: Variable Hand Stamp: Variable Stamp Color: Variable
Weight	Bonder: 40 lbs (18.1 kg) Stamp Material: 50 lbs. (22.67 kg) Systex Clear Seal: 45 lbs. (20.5 kg) Systex Release: 35 lbs. (15.9 kg) Systex Stamp Color: 2 lbs. (0.9 kg) Stamp Pad: 17 lbs. (7.7 kg) Hand Stamp: 6 lbs (2.7 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
PSSG	Systex Stamp - Grey
PSST	Systex Stamp - Tan
PSB	Systex Bonder
PSCCS	Systex Clear Seal
PSR	Systex Stamp Release
PSSCBK	Systex Stamp Color - Black
PSSCBN	Systex Stamp Color - Brown
PSSCRD	Systex Stamp Color - Red
PSSCRB	Systex Stamp Color - Red Brown
PXSHAND	Stamp Pad - Hand Stamp Flagstone
PXSHANDS	Stamp Pad - Hand Stamp Slate
PXSFLAG34	Stamp Pad 3' x 4' - Flagstone
PXSSLATE34	Stamp Pad 3' x 4' - Slate
PXGR	Gage Rake

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NECESSARY TOOLS

Mortex/Other

- • 2+ Stamp Pads • Mixing Drill
- • Gauge Rake • Construction Sprayer
- • Pattern Blade • Tamp
- • Trowel • Hand Stamp

OPTIONAL TOOLS

- • Filament Tape
- • Stencil
- • Acrylic or Acid Stain
- • Mortex Oxide Color

SURFACE REQUIREMENTS

- • The minimum surface preparation required is a muratic acid wash. Do not use a neutralizer such as TSP afterwards because it will leave a film on the deck.
- • Apply only to a clean, sound concrete surface that is preferably 28 days old.
- • Do not apply when the surface temperature is below 50 °F or above 105 °F.
- • These materials are extremely tenacious. Mask off all areas that are not being coated.
- • Decide in advance what color scheme you want. Also, decide the type of cut pattern you are having if any.

APPLY THE SYSTEX BONDING AGENT.

1. Stir Bonding Agent, if necessary, but do not add water. Cover Bonding Agent container when not in use. If it dries out, it is not rewettable or usable.
2. Apply Bonding Agent when the concrete's surface temperature is above 50°F and below 90°F (10°C to 32°C). Under high heat conditions, mist the concrete with water to lower its temperature, but do not apply the Bonding Agent on wet concrete. As a general rule, the warmer the surface, the faster the drying time.
3. Use a 3/4'' nap roller. Dip roller directly into container to apply.
4. Spread a thin, even coat. Use a V-shaped foam roller to work the bonder into crevices and joints.
5. Remove all excess Bonding Agent, especially from grooves and joints, before it dries.
6. If a spot is missed, it can be filled in, even after the total area is dry.
7. When the Bonding Agent is wet, it is a white color. When dry, it becomes clear.
8. The Bonding Agent must dry before it gets rained on.
9. You have up to 2 days to continue on with SYSTEX® texture.
10. Clean rollers with water. To make it easier to start and stop, keep rollers wet until ready for cleanup.

NOTE: Do not mix Bonder with Stamp material

If a straight lined design is desired, now is the time to lay it out.

- • Filament tape can be placed on the surface after the bonding agent has dried to develop your patterns in the topping.
- • Always incorporate concrete joints and cracks into the pattern (as joints).

APPLY SYSTEX STAMP MATERIAL

- • Mask off a starting and stopping place, such as a joint. Do not stop in a random manner. Place a strip of tape along the edges as a tear strip so that the masking does not get removed prematurely.
- • Holes and low spots should be filled with a thick stamping material and allowed to harden before applying the 1/8 inch layer of stamp material.
- • Use a Mortex gauge rake to maintain an even thickness.
- • The Systex Stamp material must be fluid enough that it will spread easily without tearing when gauge raked.

The stamp material is of the proper consistency when the tracks left by the wheels slowly fill in and disappear.

- To maintain a constant thickness, spread topping past the edges onto the plastic masking.
- Immediately use a trowel or a Mortex pattern blade to erase any gauge rake wheel marks and level any ridges in the material. The stamp material does not have to be troweled slick. You can use a wet sponge or a rag to clean the trowel but, do not use water on the surface because it can cause white blotches.
- Rinse tools immediately or place underwater to stop the stamping material from drying and being almost impossible to remove.
- Do not apply the Systex Stamp material to a surface that has any release agent on it.

The Systex Stamp material is ready to be imprinted when you can press down firmly with your finger (15 lbs pressure), make an impression and none of the material adheres to your finger. If an area is drying faster than its surroundings, spray release agent on just that area only to retard setting. Apply Liquid Release Agent over the Systex Stamp material.

- Spray the liquid release onto the Systex Stamp material until it is visibly wet. Spraying the liquid release is the only method of application.
- Make sure to apply immediately before stamping.

To obtain rich colorful details, make a thin mixture of liquid release agent and color and apply this mixture randomly to the stamp pad. Spray the pad with release agent and immediately stamp the material.

- Apply liquid release and color to the pad each time it is used.
- You will need an absolute minimum of two stamp pads.
- Use only Mortex's low profile feather stamp pads. Concrete stamps definitely don't work.
- Liquid release will help slow the set of the stamping material.
- Do not use water-based colors just before stamping.
- Should you get the release agent on areas other than the Systex Stamp material, it will have to dry completely before proceeding in that area.
- Dry color can be applied from salt or cheese shakers and/or from a sisal brush, before applying liquid release agent.
- A stencil can be placed on top of the Systex Stamp material right before placing the stamp pad. The stencil will leave an imprint that can be used as a guide for cutting a pattern.
- Place the stamp pad on the material without sliding or dragging it on the surface.
- Overlap stamp pads onto previously stamped material or other stamp pads.
- Step onto the pad before you begin tamping, being very careful not to skid the stamp.
- Start by tamping lightly, lift the corner of the pad and see if you're making an adequate impression, if not tamp harder until the desired results are obtained.
- To remove the stamp pad, place a foot on one side of the pad to preclude it from skidding, and peal it back and off the surface, don't lift the pad straight up.
- If the Systex Stamp material extrudes or flows forming thick areas then you are tamping too early or too hard.
- If the Stamp material sticks to the pad then you're either tamping too early or you're not using enough release agent, or both.
- If for some reason some of the Systex Stamp material sticks to the pad upon removal, don't leave defects unattended, repair them immediately. Also do not use the pad again until it has been washed and dried.

If a pattern is desired, then before the material hardens completely, either cut a pattern or remove tape.

- The proper time to remove tape or cut a pattern in the Systex Stamp material is when it has become crumbly when disturbed. Having edges which have a crumbled appearance will give a realistic stone affect.
- To remove tape, pull it back over itself not straight up.
- At intersections of the tape patterns, place one's fingers on both sides of the tape and pull the tape between your fingers to preclude chipping a corner. Perfectly straight edges do not look like stone; therefore some chipping is not only acceptable but very desirable.
- To cut patterns in the surface one can make a cutting tool by bending a piece of metal banding strap in a U, one half inch wide and taping it to a stick.
- Cut completely through the topping to the base concrete.
- Should you plan to cut a random stone pattern, you will benefit from the opportunity to cut any defects away when the pattern is cut into the surface.
- When cutting an intersection with an existing cut mark stop short 3" or 4" and cut away from the inter section to finish the cut.
- Don't make four corner intersections – only three.
- Either follow the impression left from a stencil or free hand cut. Be sure to cut through blemishes, cracks, and joints to make them a part of the pattern.
- Remove cuttings only after the Systex Stamp material is hard, preferably the next day.
- Joints can be made the next day by grinding.
- In order to traverse stamped areas, allow the Systex Stamped area to harden to the point that it is not pliable and then use 2" thick pieces of expanded polystyrene foam (2 foot squares) as knee boards to carefully cross the deck area.

DAY 2
- Color can be added after the Systex Stamp material is stamped.
- After cleaning the deck, color can be added by using acrylic, acid or water-based stains.
- Wet the deck thoroughly if applying an acid stain; never apply acid stains on a dry deck. To get a realistic effect with acid stains allow a slow stream of water to carry the acid across the deck.
- Acrylic stains work best diluted.
- Acid stains should be used before buffing the joints or the surface.
- Green and blue acid stains are not readily carried or dispersed by water.

When the deck is clean and completely dry, apply the Systex Clear Seal.
- Whether cleaning or staining allow the deck to dry completely before proceeding to apply Systex Clear Seal. When applying acrylic sealer, use a roller. Remember that water can cause it to turn white if it is not sufficiently dry before contact. Therefore, never apply it early in the morning. Allow time for dew or water to burn off. Also, never apply it late in the afternoon; it must have time to dry before the dew sets on it. It should have at least 24 hours before it is subject to rain. All acrylic coatings are subject to forming a white film if subjected to rain within 24 hours of application, and even longer if there is cold weather (below 65° F).

Points to Remember
- The surface can only be buffed when wet. It can be hand buffed after 24 hrs. and machine buffed (with a fine grit pad) after a week. Be sure to wash the deck and rinse thoroughly to remove all loose material. Joints can be scrubbed with a scouring pad to remove remnants of topping.
- After troweling, before the stamp material is fully hard, any disturbance of the stamp material surface with water can cause white spots.
- **IMPORTANT:** Systex Stamp will not bond cracked pieces of concrete together.
- **IMPORTANT**: Stamp material excessively thick will develop shrinkage cracks.

Channel Rite

Mortex has once again responded to the industry's needs with Channel Rite. It is a new two piece, linear, non-directional water channeling system. Due to its design and heavy wall construction, warping and bowing found in other drain is greatly reduced. Channel Rite's full two inch top provides greater water flow from the deck surface, and it's height allows for concrete shrinkage and proper placement despite the many different field installation applications.
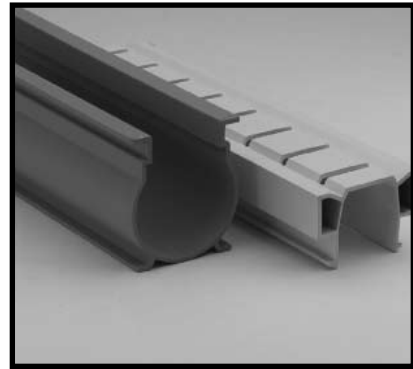
- Convenient and versatile removable top
- Easily coupled with 1 1/2 inch PVC pipe
- Can be placed flush against wall or previous pour
- Linear bottom feet provide stabilization

Product Detail	Description
Coverage	100 ft per carton (30.5 m)
Contents	10 - 10 ft lengths, 5 Couplers, 5 end plugs (3.05 m)
Carton Measurements	136" x 8 1/2" x 7 1/2 " (330.2 cm x 20.3 cm x 20.3 cm)
Weight	70 lbs (31.8 kg)
Shipping Information	Freight Truck, Ocean, or Air

Catalog Item #	Description
CRW	Channel Rite - White
CRT	Channel Rite - Tan
CRM	Channel Rite - Marble
CRG	Channel Rite - Gray
CRC	Channel Rite - Carcoal
CRTW	Channel Rite - White Top Only
CRTT	Channel Rite - Tan Top Only
CRTM	Channel Rite - Marble Top Only
CRTG	Channel Rite - Gray Top Only
CRTC	Channel Rite - Charcoal Top Only
CRB	Channel Rite - Base Only
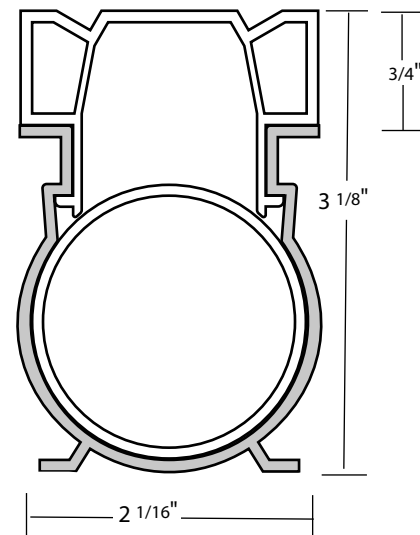
CHANNEL RITE INSTALLATION INSTRUCTIONS

NECESSARY TOOLS
- Hack Saw or Miter Saw
- 1 1/2" PVC and fittings

OPTIONAL TOOLS
- Wooden/Metal Stakes

INSTALLATION
1. Grade the sub-soil, sloping toward the channel location.
2. Assemble Channel Rite tops and bottoms before installation.
3. Metal or wooden stakes can be used to position channel, and removed during pour.
4. To connect two pieces of Channel Rite together, use a 1 1/2" PVC Connector.
5. At the end of a channel, you can (a.) close the end with an End Plug, or (b.) allow the end to act as a spout by using a Connector and the top portion of the (breakable) End Plug.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control

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Drain Rite®

Drain Rite is a lineal, heavy-wall one piece contractual joint system for concrete crack control and water drainage. Drain Rite features obstruction free water flow, because it uses outside couplers. Drain Rite is available in five colors, including marble. All extrusion and compounding is done in-house to assure the highest quality.

- Designed to set flush against walls and porches
- Non-directional system requiring a minimum of fittings
- Locked into the concrete by inside key ways that stop the flow of water to the subsoil
- Used as a screed guide for concrete finisher
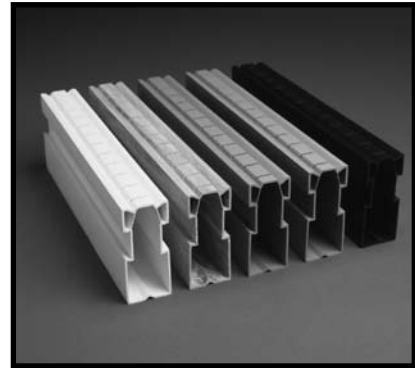
Product Detail	Description
Coverage	100 ft per carton (30.5 m)
Contents	10 - 10 ft lengths (3.05 m), 10 Couplers, 30 Nailing Clip
Ctn Measurements	136” x 8 1/2” x 7 1/2” (345 cm x 21.6 cm x 19 cm)
Weight	65 lbs (29.5 kg)
Shipping Information	Freight Truck, Ocean, or Air

Catalog Item #	Description
DRC	Drain Rite – Charcoal
DRG	Drain Rite – Gray
DRM	Drain Rite – Marble
DRT	Drain Rite – Tan
DRW	Drain Rite – White

Volume
3.94" 2

3 1/2'
9 cm

1 5/8"
4 cm
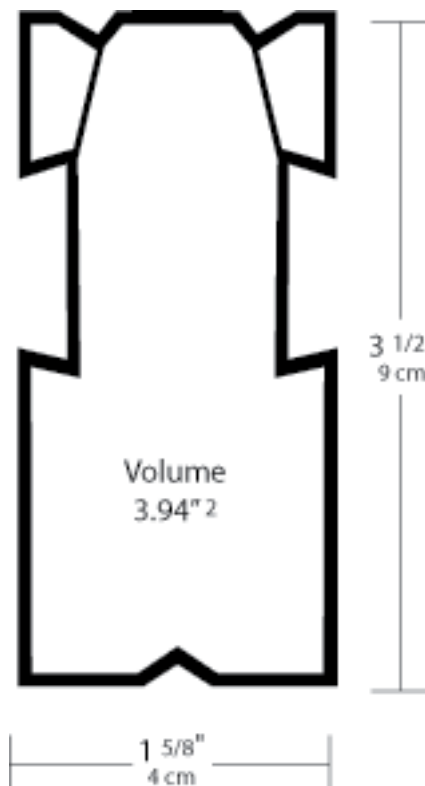
PRODUCT DESCRIPTION
DRAIN RITE is a heavy walled, one-piece PVC lineal drainage system that also acts as a full expansion and contraction joint.

INTENDED USE
DRAIN RITE is used in horizontal concrete slabs when water accumulation is expected. It is a drainage system for foot traffic areas such as walkways, patios, courtyards and swimming pool decks. Inside key ways stop the flow of water to the subsoil and allow the drain to be set against walls and porches. Lengths and fittings are attached together using outside couplers keeping the water flow area free of obstructions. DOWN SPOUTS are used to drain the system completely and eliminate fungus growth. It can be used as a screed guide and is nondirectional, requiring a minimum amount of fittings.

COMPOSITION & MATERIALS
Mortex compounds its own PVC formulations for DRAIN RITE. To our polyvinyl chloride, we add acrylic impact modifiers for superior long-term exterior strength & Titanium dioxide to protect against the harmful effects of ultraviolet radiation. We use iron oxide pigments for coloring which does not fade.

LIMITATIONS
DRAIN RITE should not be exposed to xylene based acrylic sealers for extended periods as shape and strength will be affected. DRAIN RITE should be stored indoors to keep the protective tape flexible and easy to remove. DRAIN RITE should be limited to pedestrian traffic areas.

COLORS
Charcoal, Gray, Marble, Tan and White. DOWN SPOUTS, COUPLERS and NAILINGS CLIPS in White only.

WEATHER RESISTANCE
Garner Impact Testing: After 1000 hours of weathering,
DRAIN RITE did not show any significant change in impact resistance values. Under UVA 340 bulbs: Whiteness (L value) remained constant. DRAIN RITE has excellent weatherability and is virtually unaffected by chlorine and pool chemicals. FITTINGS are sold and packaged separately. Available fittings are: 90°, 45°, TEE, CROSS, COUPLER, CLEAN-OUT-COVER, DOWN SPOUT, END CAP, END SPOUT, STRAIGHT SPOUT and NAILING CLIP.

CAPACITY
DRAIN RITE available flow area is 3.94 in^2 (25.4 cm^2). Capacity of a DOWN SPOUT is 27 gallons per minute (102.2 L). Water flow out the end of DRAIN RITE is 55 gallons per minute (208.2 L). 1" (2.54 cm) of rain per hour with a DOWN SPOUT placed every 28' (8.5 m) on a deck 8' (2.43 m) wide will constitute maximum flow.

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GRADE/SITE SUGGESTIONS

Deck Slope 1/4" per 1' (.635 cm per 30.48 cm). Although DRAIN RITE can run horizontal end-to-end, a slope of 1/4" to 1/2" (.5 cm to 1.5 cm) for a 10' run (3.048 m) is advisable. Maximum distance between DOWN SPOUTS should be 28' (8.5 m). DOWN SPOUTS and END SPOUTS are 1 1/2" (3.81 cm) plastic pipe size.

INSTALLATION

Grade the subsoil, sloping toward the drain location. In the path designated for the drain, drive short wood or steel stakes 3 feet apart, flush with the ground. Snap on nailing clips and couplers. Position the drain over the stakes. Align and nail to the tops of the stakes. When drain water is to be conducted away from the immdiate area, DOWN SPOUTS are used. Maximum distrance between Down Spouts should be 28" (8.5 m). Saw a 2" wide x 3/4" deep (5 cm x 2 cm) "V" notch in the bottom of the drain. Snap the Down Spout on the drain over the hole, then connect to 1 1/2" (3.82 cm) PVC pipe. An END SPOUT or STRAIGHT SPOUT may also be used to conduct water away from the area.

Note: PVC pipe glue can be used to secure and seal units together, or to attach DOWN SPOUTS, STRAIGHT SPOUTS and END SPOUTS.

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Drain Rite® Replacement Top

Drain Rite Replacement Top is an innovative and convenient way to repair and replace existing drains. Drain Rite Replacement Top is easy to install and is available in all five colors of charcoal, gray, marble, tan and white.

Product Detail	Description
Coverage	80 ft per carton (24.38 m)
Contents	8 - 10 ft lengths (3.05 m)
Ctn Measurements	5" x 5" x 120 1/2" (12.7 cm x 12.7 cm x 306 cm)
Weight	30 lbs (13.6 kg)
Shipping Information	Freight Truck, Ocean, or Air

Catalog Item #	Description
DXRTC	Drain Rite Replacement Top - Charcoal
DXRTG	Drain Rite Replacement Top - Gray
DXRTM	Drain Rite Replacement Top - Marble
DXRTT	Drain Rite Replacement Top - Tan
DXRTW	Drain Rite Replacement Top - White

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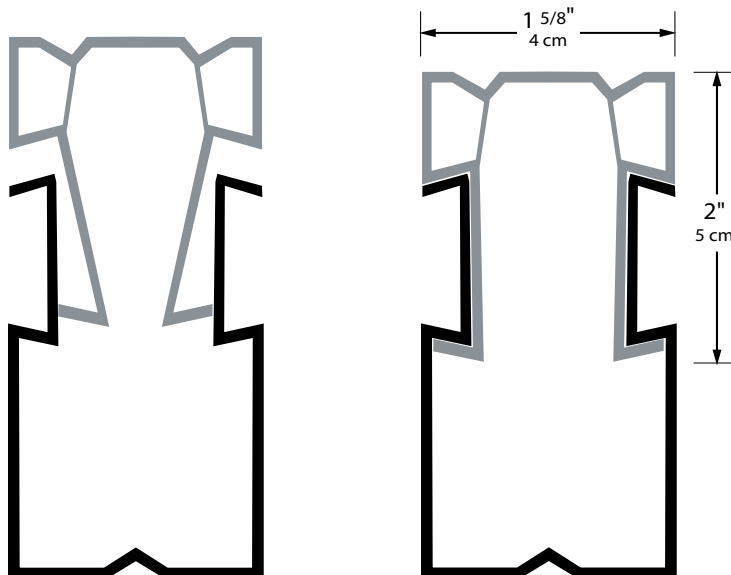
Drain Rite® Rep. Top Instructions

INSTRUCTIONS

NECCESARY TOOLS
- 3/8" & 1 1/2" or 2" Chisel
- Tin Snips or Saw

OPTIONAL TOOLS
- Caulk

INSTALLATION
1. Break out center of drain using pliers.
b. Use a sharp 3/8" chisel to cut across the drain where you want to start and stop.
c. Using the chisel, cut a piece out of the sides at least 1" long.
2. a. With tin snips, split the top of each side. (A saw can be used to split the top; be sure not to cut below the lineshown in drawing.)
3. a. Using a 3/8" chisel, cut the thin inside brace flush with the heavy plastic ledge.
b. Using a 1 1/2" or 2" wood chisel, cut through outside as shown and remove outside piece. It is important not to cut below the heavy plastic lip. Remove indicated area only!
4. a. Place a bead of caulk if desired. b. Insert (cut to length) drain top.

Desired goal:
Remove the old top without cutting
below the heavy plastic lip.

Drain Rite® Accessories

Drain Rite connection accessories are made from the same lineal, heavy-wall one piece materials as our Drain Rite. All connections feature obstruction free water flow, because they use outside couplers. Drain Rite connection accessories are available in all five colors, including marble. Drain Rite spouts, caps and covers are made to complete your drainage system. All spouts feature our unique "obstruction-free" water flow by connecting to the outside of the drain.
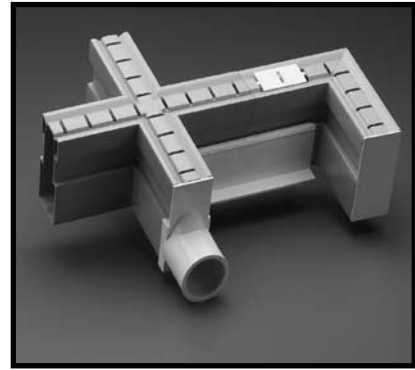
- All fittings are non-directional, requiring less combinations to be stocked to achieve your design.
- Designed to set flush against walls and porches.
- Locked into the concrete by inside key ways that stop the flow of water to the subsoil.
- Drain Rite Spouts are available in End, Straight, and Down configurations.
- All spouts connect to standard $1\frac{1}{2}$ inch PVC pipe for carrying away water.
- Drain Rite End Caps are perfect for closing a drain end decoratively.
- Drain Rite Clean Out Covers are a great way to allow access for internal flushing and rinsing.

Product Detail	Description
Contents	All Available Individually
Ctn Measurements	Subject to design
Weight	Ship weight is packaging and quantity ordered dependent
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

45 Degree Angle

Cross
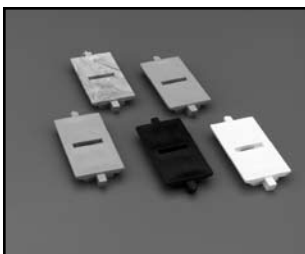
Clean Out Covers

90 Degree Angle

Tee
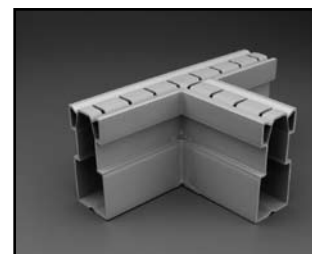
Catalog Item #	Description
DX45C	45 Degree Angle - Charcoal
DX45G	45 Degree Angle - Gray
DX45M	45 Degree Angle - Marble
DX45T	45 Degree Angle - Tan
DX45W	45 Degree Angle - White
DX90C	90 Degree Angle - Charcoal
DX90G	90 Degree Angle - Gray
DX90M	90 Degree Angle - Marble
DX90T	90 Degree Angle - Tan
DX90W	90 Degree Angle - White
DXXC	Cross - Charcoal
DXXG	Cross - Gray
DXXM	Cross - Marble
DXXT	Cross - Tan
DXXW	Cross - White
DXTC	Tee - Charcoal
DXTG	Tee - Gray
DXTM	Tee - Marble
DXTT	Tee - Tan
DXTW	Tee - White
DXC	Coupler - White
DXNC	Nailing Clip - White
DXCOCC	Clean Out Cover - Charcoal
DXCOCG	Clean Out Cover - Gray
DXCOCM	Clean Out Cover - Marble
DXCOCT	Clean Out Cover - Tan
DXCOCW	Clean Out Cover - White
DXDS	Down Spout - White
DXSSC	Straight Spout - Charcoal
DXSSG	Straight Spout - Gray
DXSSM	Straight Spout - Marble
DXSST	Straight Spout - Tan
DXSSW	Straight Spout - White
DXESC	End Spout - Charcoal
DXESG	End Spout - Gray
DXESM	End Spout - Marble
DXEST	End Spout - Tan
DXESW	End Spout - White

End Spout

Down Spout

Coupler

Nailing Clip

Straight Spout

Control Joint™

Control Joint™ is a PVC lineal contractual joint system for concrete crack control. Control Joint encourages the concrete to crack in a designated acceptable manner. Control Joint has excellent weatherability. It is virtually unaffected by chlorine and pool chemicals.

- Designed with side fins to prevent the free flow of water to the subsoil.
- Made with high impact PVC and UV inhibitors.
- Installs quickly just after screeding but before any stiffening starts.
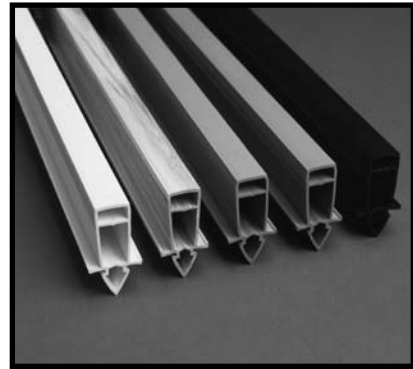
Product Detail	Description
Coverage	396 ft per carton (120.7 m)
Contents	33 - 12 ft lengths (3.66 m)
Ctn Measurements	148" x 8" x 8" (376 cm x 20.5 cm x 20.5 cm)
Weight	65 lbs (29.5 kg)
Shipping Information	Freight Truck, Ocean, or Air

| Catalog Item #	Description
CJC	Control Joint - Charcoal
CJG	Control Joint - Gray
CJM	Control Joint - Marble
CJT	Control Joint - Tan
CJW	Control Joint - White
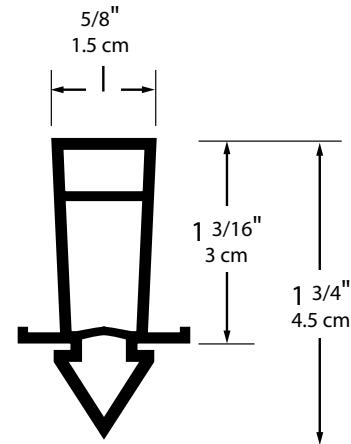
Expansion Base

Good concrete practices necessitate the periodic use of full expansion as well as contractual joints. The need for full expansion joints is fulfilled by simply snapping a Mortex Expansion Base to a section of Control Joint.

- A Control Joint and Expansion Base combination can be used to stop and restart a concrete pour.
- When used with Control Joint, it acts as a screed guide for concrete finishing.

Product Detail	Description
Coverage	432 ft per carton (131.67 m)
Contents	36 - 12 ft lengths (3.66 m)
Ctn Measurements	148" x 8" x 8" (376 cm x 20.5 cm x 20.5 cm)
Weight	55 lbs (24.95 kg)
Shipping Information	Freight Truck, Ocean, or Air

Catalog Item #	Description
CXEB	Expansion Base

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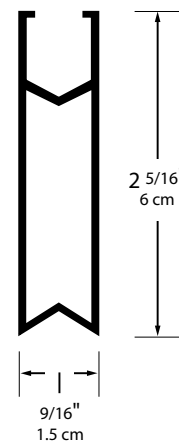
PRODUCT DESCRIPTION
CONTROL JOINT/EXPANSION BASE is a PVC lineal joint system that provides room for concrete to expand and contract with climatic changes.

INTENDED USE
CONTROL JOINT/EXPANSION BASE is used for flat work concrete in foot traffic areas such as walkways, patios, courtyards and swimming pool decks. CONTROL JOINT encourages the concrete to crack in a designated acceptable manner. EXPANSION BASE, when snapped onto the "V" bottom of the CONTROL JOINT forms a full contraction/expansion joint in a 4" (10 cm) concrete pour. This combination can be staked down and used to stop and start a pour. EXPANSION BASE can also be used to couple lengths of CONTROL JOINT together.

COMPOSITION & MATERIALS
Mortex compounds its own plastic formulations for CONTROL JOINT/EXPANSION BASE. We add acrylic impact modifiers to our polyvinyl chloride for superior exterior strength. Titanium dioxide is added for protection against the harmful effects of ultraviolet radiation.

LIMITATIONS
CONTROL JOINT should not be subjected to xylene based acrylic sealers for extended periods as shape and strength will be affected. CONTROL JOINT should be stored indoors to keep protective tape flexible and easy to remove. The use of CONTROL JOINT and EXPANSION BASE should be limited to pedestrian traffic.

TECHNICAL DATA
Use the Deck Width Multiplier formula (DWM), to determine distance between joints. The DWM formula is simply the width of deck times the DWM Constant, which yields the Feet Spaced (W x DWM = Fs). A DWM Constant can be any number from a minimum of 1 to a maximum of 3. A lower DWM Constant will yield more joint per unit area of decking. We suggest using a DWM constant of 1.5.
For Example: A deck or sidewalk is 3' wide (1 m) Using a DWM of 1.5, an equation would be 3' x 1.5 (DWM) = 4.5' (1.37 m.) The conclusion from this equation is to place a CONTROL JOINT every 4.5' (1.37 m.) Note: Never have bays larger than 12' x 12' (3.66 m x 3.66 m) without placing a joint. We suggest that all inside angles be protected with a joint to control concrete cracking. Side Fins hold the joint in the hardened concrete and prevent the free flow of water to the subsoil. The "V" profile gives added assurance that the deck will crack in the desired place. For protection during the pour, protective tape has been applied to the exposed surface.

COLORS
CONTROL JOINT: Charcoal, Gray, Marble, Tan and White
EXPANSION BASE: White only (Not visible when installed with CONTROL JOINT, except from edge of deck)

WEATHER RESISTANCE
Garner Impact Testing: After 1000 hours of weathering, CONTROL JOINT did not show any significant change in impact resistance values. Under UVA 340 bulbs, Whiteness (L value) remained constant. CONTROL JOINT has excellent weatherability. It is virtually unaffected by chlorine, pool chemicals and muriatic acid.

MAINTENANCE
CONTROL JOINT is maintenance free. When using concrete stains or sealers, contact the manufacturer for compatibility information.

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Control Joint™ Instructions

NECESSARY TOOLS
• Miter Saw or Hack Saw

OPTIONAL TOOLS
• Hammer
• Wooden or Steel Stakes

CONTROL JOINT
1. Where only contractual crack control is desired, precut the Control Joint to the desired length. Position the Control Joint by rocking it into the fresh concrete either just before or after tamping. Score along both edges with an edging tool.

CONTROL JOINT WITH EXPANSION BASE
2. Good concrete practices necessitate the periodic use of full expansion as well as contractual joints. This need is fulfilled by simply snapping the Mortex Expansion Base to the bottom of the Control Joint. This method also affords an excellent joint when the concrete pour is to be stopped and continued later.
3. When the complete unit is used, prestaking is advisable.

CONTROL JOINT WITH EDGE CAPS
4. The perfect edge finish for cantilever decks is made possible with the Mortex Nose, Flair, or French Cap which is locked into the form before the pour.
5. Align Cap spear at form and push spear into form. Turn cap sideways to clear the form's cove strip and then reposition the cap against the form band.
6. Slide the locking button onto the cap's spear and push securely into place. When the concrete has finished it's initial set, twist the button to break the cap free from the form.

Note: If installing a concrete topping, apply the topping to the deck before removing protective tape.
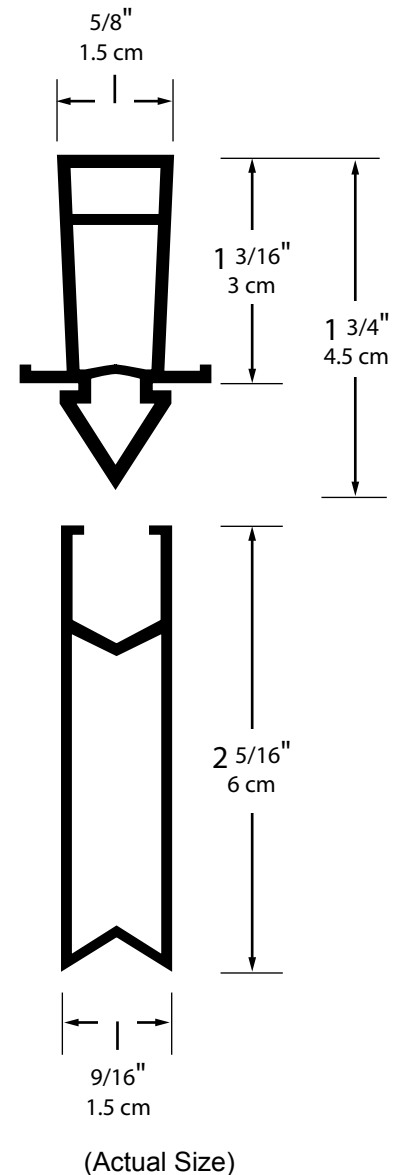
5/8"
1.5 cm

1 3/16"
3 cm

1 3/4"
4.5 cm

2 5/16"
6 cm

9/16"
1.5 cm

(Actual Size)

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Control Joint™ Replacement Top

Control Joint Replacement Top™ is an innovative, convenient, and easy way to repair or change the color of existing joints. Control Joint Replacement Top fits over the top of existing joints. Available in all five colors of charcoal, gray, marble, tan and white.

Product Detail	Description
Coverage	200 ft per carton (60.96 m)
Contents	25 - 8 ft lengths (3 m)
Ctn Measurements	3.25" diameter x 102" (8.26 cm x 259 cm)
Weight	16 lbs (13.6 kg)
Shipping Information	Freight Truck, Ocean, or Air

Catalog Item #	Description
CXRTC	Control Joint Replacement Top - Charcoal
CXRTG	Control Joint Replacement Top - Gray
CXRTM	Control Joint Replacement Top - Marble
CXRTT	Control Joint Replacement Top - Tan
CXRTW	Control Joint Replacement Top - White
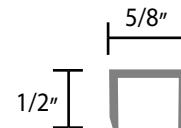
INSTRUCTIONS

NECESSARY TOOLS
• Circular Saw (1/8" blade)

OPTIONAL TOOLS
• Miter Saw
• High-Pressure Washer

INSTALLATION
1. Saw cut the existing control joint down to the middle with a 1/8" wide blade (must saw top and bridge.)
2. Set the saw to cut 1/2" deep, so that the inside bridge is also cut.
3. Clean debris from along both sides of control joint. A high pressure washer works well.
4. The Control Joint Replacement Top can then be placed over the top and secured with PVC glue.
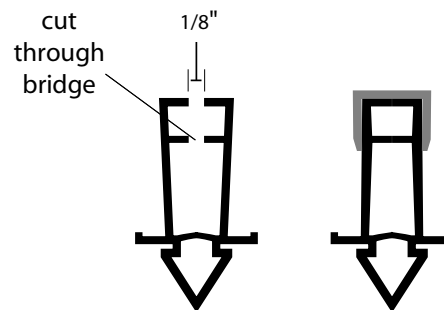
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Foam Fiber Joint

Foam Fiber Joint is an adaptable solution for crack control where Control Joint is impractical. Foam Fiber Joint's flexible polyethylene cushioned joint is perfect between existing structures, like walls and foundations, and a new concrete pour.
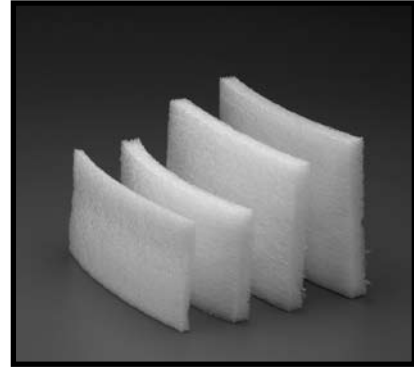
- Each roll is perforated in two or three areas allowing use of half or full widths to accommodate the thickness of the pour
- Top segment is removable allowing space for caulking with a self-leveling sealant.
- Resilient and cost-effective
- Environmentally friendly... manufactured without ozone damaging CFC's.
- Resistant to moisture damage and temperature extremes

Product Detail	Description
Coverage & Contents	CXFJ12: 1 roll of : 1/2" x 3" x 50 linear feet per carton (15.25 m) CXFJ14: 1 roll of: 1/4" x 3" x 125 linear feet per carton (38 m) CXFJ124: 4 rolls of: 1/2" x 4" x 60 linear feet per carton (18.3 m) CXFJ1245: 4 rolls of: 1/2" x 4 1/2" x 60 linear feet per carton (18.3 m)
Ctn. Measurements	CXFJ12: 19 1/2" x 19 1/2" x 3 1/2" (49.5 cm x 49.5 cm x 8.9 cm) CXFJ14: 25" x 24" x 3 1/2" (63.5 cm x 61 cm x 8.9 cm) CXFJ124: 19" height x 22" diameter bag (48.3 cm x 55.9 cm) CXFJ1245: 18" height x 22" diameter bag (45.7 cm x 55.9 cm)
Weight	CXFJ12: 2 lbs. (0.9 kg) CXFJ14: 3 lbs. (1.4 kg) CXFJ124: 7 lbs. (3.2 kg) CXFJ1245: 6 lbs. (2.7 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, Air

Catalog Item #	Description
CXFJ12	Foam Fiber Joint 1/2" x 3" x 50' - 3 Cuts - 1 ROLL
CXFJ14	Foam Fiber Joint 1/4" x 3" x 125' - 3 Cuts - 1 ROLL
CXFJ124	Foam Fiber Joint 1/2" x 4" x 60' - 2 cuts - 4 ROLLS
CXFJ1245	Foam Fiber Joint 1/2" x 4 1/2"x 60' - 2 cuts - 4 ROLLS
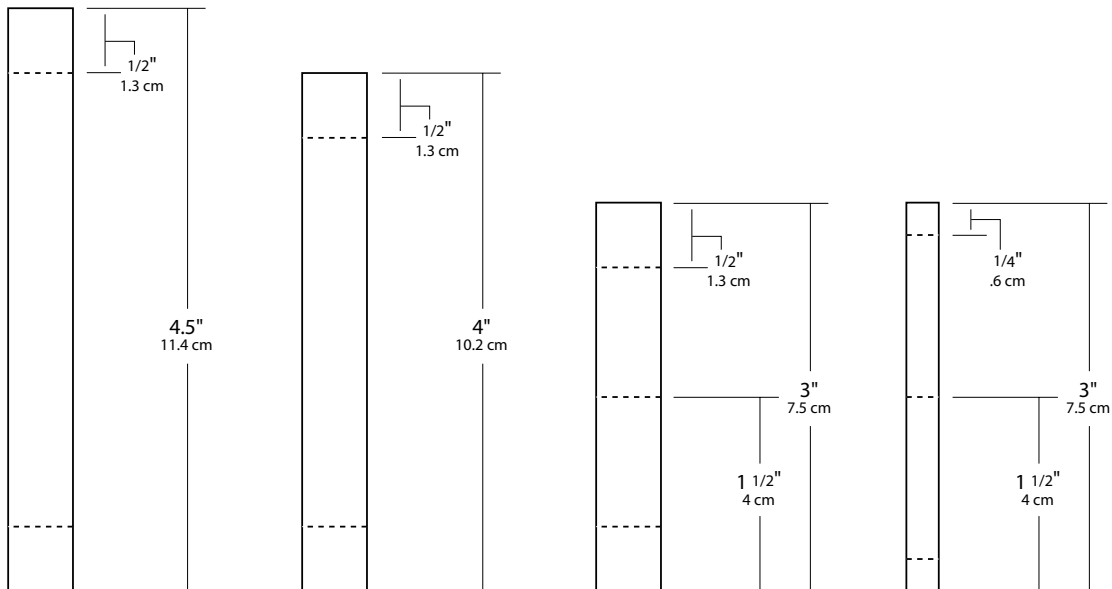
Fill-N-Flex

Fill-N-Flex™ is a special two part blend that is pourable and self level-ing. The cured material will have 30% elongation while maintaining a tough semi-rigid chemical resistant surface. The material can be used in joints and/or cracks in concrete, Kool Deck surfaces, surfaces in expansive soil areas and freeze/thaw areas.

- 100% Solids
- No Solvents and no need for bonding agents
- Bonds to wet surfaces
- Will not absorb water or shrink

Product Detail	Description
Contents	2 Kits: Part A, Part B, Stir Stick, Squeeze Bottle
Carton Measurements	15 1/2" x 8 1/2" x 13" (39 cm x 22 cm x 33 cm)
Coverage	96 oz. Kit will fill 460ft. of 1/4" wide x 1/8"deep joint or 116ft. of 1/2" wide x 1/4" deep joint. Depth of Fill-N-Flex should be half of the width, with a 1/8" minimum to 1/2" maximum for standard joints.
Weight	20 lbs (9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
CXC96SLC	Fill-N-Flex Cans - Charcoal
CXC96SLG	Fill-N-Flex Cans - Gray
CXC96SLT	Fill-N-Flex Cans - Tan
CXC96SLW	Fill-N-Flex Cans - White

NECESSARY TOOLS
• High Pressure Washer • Rubbing Alcohol • Masking Tape

OPTIONAL TOOLS
• 5 gal Bucket • Hot-air Gun

SURFACE REQUIREMENTS
• Surface must be 50 °F and rising
• Minimum of 2500 psi pressure wash

MIXING
Mix 2 parts A to 1 part B by volume (Ratio A:B, 2:1).
Thoroughly mix together parts A & B until a uniform color is obtained (minimum of 2 minutes).
Try to minimize air entrainment. A complete kit will have a 30-minute pot life at 85 °F. Cooler temper-atures and smaller batch sizes will lengthen pot life, higher temperatures will shorten pot life. In hot weather keep materials out of the sun and in an ice-water bath to prolong pot life.
Note: Rubbing alcohol can be used to clean up tools, but only before the material sets.

APPLICATION
After mixing, pour Fill-N-Flex into the squeeze bottle. Start filling the joint, working quickly. Cut part of the squeeze bottle spout off to accommodate larger joints. Remember as the material passes through a small spout opening entrained air bubbles rupture, therefore, use the smallest spout opening that is feasible.
This compound is flexible, self-leveling and non-shrinking. It can be applied to surfaces that are 40 °F and rising. Applying compound to surfaces below 50 °F will significantly increase setting time. This material is extremely tenacious and will bond to DAMP concrete surfaces and all standard construc-tion materials. The quality of its bond is directly proportional to the cleanliness of the surfaces to which it is applied. Filling the joint with just one pass minimizes over fill. Since the compound adheres to itself, it can readily be refilled should a sunken area develop .
HINT: If the surface needs to be tooled for any reason, first coat tools and/or hands with soapy water to avoid sticking to compound.
WARNING: Rubber gloves should be worn at all times. This material may produce irritation to eyes and skin. In case of skin contact wash with soap and water. For eye contact, flush immediately with plenty of water for 15 minutes and call a physician. Use in well ventilated area to avoid breathing vapors. If swallowed, CALL A PHYSICIAN IMMEDIATELY.

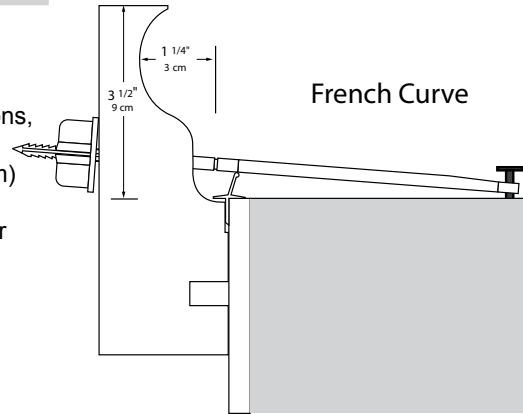# Keystone - Cantilever Pool Form

Keystone Edge disposable cantilever forms offer the quality, value, and ease of use you have come to expect from Mortex. The Keystone Edge, or Flair Edge, is easy since there is only one radius to trowel.

- Quick to set and even quicker to remove
- Cove strip acts as a water stop and eliminates the need to grout or caulk the joint between the tile and deck
- Form flexibility gives designers and contractors endless options in pool shapes (1 ft radius capability with use of filament tape)
- Technically superior because spear and button locking system holds tight and releases with a twist of the wrist

Product Detail	Description
Coverage	112 ft of Form Band and 112 ft of Cove Strip 34.13 m) in
Contents	14 - 8 foot lengths (2.43 m); Spear Pack containing 110 spear & buttons, 120 nails and One roll of filament tape
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

1 1/4" 3 cm
3 1/2" 9 cm

Keystone

Poly - Cantilever Pool Form

Our Poly Edge disposable cantilever forms offer the quality, value, and ease of use you have come to expect from Mortex. The Poly Edge, or commonly referred to as Bullnose, is the best alternative to old fashioned, expensive wood, celatex forming of this edge shape.

- Quick to set and even quicker to remove
- Cove strip acts as a water stop and eliminates the need to grout or caulk the joint between the tile and deck
- Form flexibility gives designers and contractors endless options in pool shapes (1 ft radius capability with use of filament tape)
- Technically superior because spear and button locking system holds tight and releases with a twist of the wrist

Product Detail	Description
Coverage	112 ft of Form Band and 112 ft of Cove Strip (34.13 m) in
Contents	14 - 8 foot lengths (2.43 m); Spear Pack containing 110 spear & buttons, 120 nails and One roll of filament tape
Ctn. Measurements	13" x 13" x 102" (33cm x 33cm x 259cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, Air

1" 2.5 cm
3 1/2" 9 cm

Poly

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French Curve - Cantilever Pool Form

Our French Curve disposable cantilever forms offer the quality, value, and ease of use you have come to expect from Mortex. The French Curve Edge is an elegant edge for that special deck.

- Quick to set and even quicker to remove
- Cove strip acts as a water stop and eliminates the need to grout or caulk the joint between the tile and deck
- Form flexibility gives designers and contractors endless options in pool shapes (1 ft radius capability with use of filament tape)
- Technically superior because spear and button locking system holds tight and releases with a twist of the wrist
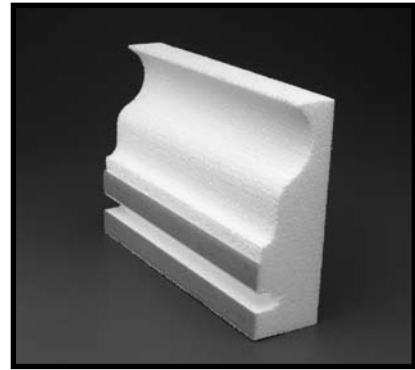
Product Detail	Description
Coverage	112 ft of Form Band and 112 ft Cove Strip (34.13 m) in
Contents	14 - 8 foot lengths (2.43 m); Spear Pack containing 110 spear & buttons, 120 nails & One roll of filament tape
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

French Curve

Commercial - Cantilever Pool Form

Our Commercial Edge disposable cantilever forms offer the quality, value, and ease of use you have come to expect from Mortex. While based on the shape of our French Curve Form, the Commercial Form adds a 3/4 inch extra depth, for a two inch depth from the tile.

- Quick to set and even quicker to remove
- Form flexibility gives designers and contractors endless options in pool shapes (2 ft radii capability with use of filament tape)
- Technically superior because spear and button locking system holds tight and releases with a twist of the wrist

Note: Commercial form shape is not compatible with French Caps.
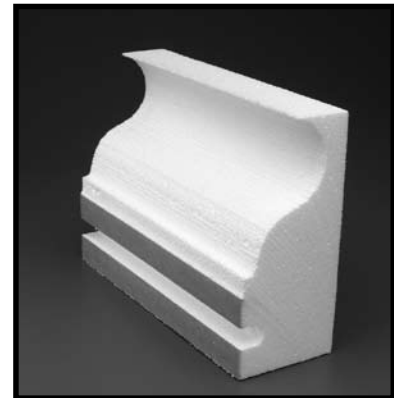
Product Detail	Description
Coverage	80 ft of Form Band and 80 ft of Cove Strip (24.39 m) in
Contents	10 - 8 foot lengths (2.43 m); A Spear pack containing 80 commercial spears, buttons & nails and One roll of Filament Tape
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Commercial
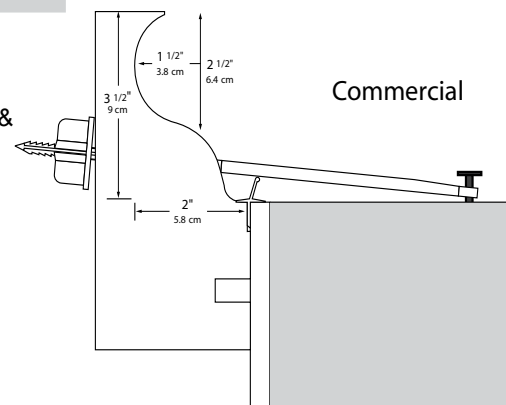
Stone Edge - Cantilever Pool Form

Now you can beautify any cantilever edge with our new Stone Edge Form. This new creation is yet another product inspired by an industry need. Contractors are constantly trying to find that unique, special look for pool and backyard hardscaping. After careful thought and fabrication the Stone Edge Form was created. It combines the look of natural rock with the ease and beauty of cantilever edge coping.

- Form flexibility gives designers and contractors endless options in pool shapes. (1 ft radius capability with use of filament tape)
- Quick to set and even quicker to remove.
- Cove strip acts as a water stop and eliminates the need to grout or caulk the joint between the tile and deck.
- Accommodates natural surroundings, rock formations and waterfalls.
- Technically superior because spear and button locking system holds tight and releases with a twist of the wrist.

Product Detail	Description
Coverage	112 ft of Form Band and Cove Strip (34.13 m)
Contents	14 - 8 foot lengths (2.43 m); Spear Pack containing 110 spear & buttons, 120 nails and One roll of filament tape
Ctn. Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Hemi - Cantilever Pool Form

Enjoy the new Hemi Form which is has a half circle profile.

Product Detail	Description
Coverage	80 ft of Form Band and Cove Strip (34.13 m)
Contents	10 - 8 foot lengths (2.43 m); commercial Spear Pack containing 110 spear & buttons, 120 nails and One roll of filament tape
Ctn. Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air
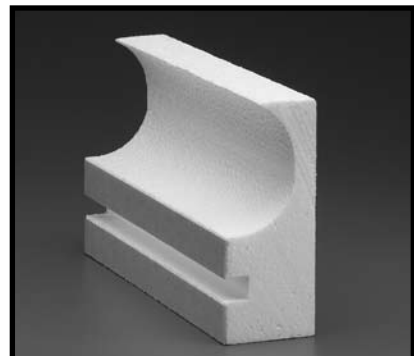
Cantilever Form Codes

Catalog Item #	Description

STANDARD CANTILEVER FORMS (INCLUDES SPEARS & BUTTONS WERE INDICATED)

FXK6R	Keystone Form 6" Radius - 6 pieces
FKFFO	Keystone Form Bands Only - 112 ft
FKF	Keystone Form - White Cove Strip - Spears & Buttons - 112 ft
FKFCT	Keystone Form - Tan Cove Strip - Spears & Buttons - 112 ft
FKFCG	Keystone Form - Grey Cove Strip - Spears & Button - 112 ft
FKFCC	Keystone Form - Charcoal Cove Strip - Spears & Buttons - 112 ft

FXP6R	Poly Form 6" Radius - 6 pieces
FPFFO	Poly Form Bands Only - 112 ft
FPF	Poly Form - White Cove Strip - Spears & Buttons - 112 ft
FPFCT	Poly Form - Tan Cove Strip - Spears & Buttons - 112 ft
FPFCG	Poly Form - Grey Cove Strip - Spears & Buttons - 112 ft
FPFCC	Poly Form - Charcoal Cove Strip - Spears & Buttons - 112 ft

FFCFFO	French Curve - Form Bands Only - 112 ft
FFCF	French Curve - White Cove Strip - Spears & Buttons - 112 ft
FFCFCT	French Curve - Tan Cove Strip - Spears & Buttons - 112 ft
FFCFCG	French Curve - Gray Cove Strip - Spears & Buttons - 112 ft
FFCFCC	French Curve - Charcoal Cove Strip - Spears & Buttons - 112 ft

FCOMFFO	Commercial Form Bands Only - 80 ft
FCOMF	Commercial Form - White Cove Strip - Spears & Buttons - 80 ft
FCOMFCT	Commercial Form - Tan Cove Strip - Spears & Buttons - 80 ft
FCOMFCG	Commercial Form - Gray Cove Strip - Spears & Buttons - 80 ft
FCOMFCC	Commercial Form - Charcoal Cove Strip - Spears & Buttons - 80 ft

FSEFFO	Stone Edge Form Bands Only - 112 ft
FSEF	Stone Edge Form - White Cove Strip - Spears & Buttons - 112 ft
FSEFCT	Stone Edge Form - Tan Cove Strip - Spears & Buttons - 112 ft
FSEFCG	Stone Edge Form - Grey Cove Strip - Spears & Buttons - 112 ft
FSEFCC	Stone Edge Form - Charcoal Cove Strip - Spears & Buttons - 112 ft

FHFFO	Hemi Form Bands Only - 80 ft
FHF	Hemi Form - White Cove Strip - Spears & Buttons - 80 ft
FHFCT	Hemi Form - Tan Cove Strip - Spears & Buttons - 80 ft
FHFCG	Hemi Form - Grey Cove Strip - Spears & Buttons - 80 ft
FHFCC	Hemi Form - Charcoal Cove Strip - Spears & Buttons - 80 ft

FOGFFO	OG Form Bands Only - 80 ft
FOG	OG Form - White Cove Strip - Spears & Buttons - 80 ft
FOGFCT	OG Form - Tan Cove Strip - Spears & Buttons - 80 ft
FOGFCG	OG Form - Grey Cove Strip - Spears & Buttons - 80 ft
FOGFCC	OG Form - Charcoal Cove Strip - Spears & Buttons - 80 ft

FORMS WITH TIE WIRES

FKFT	Keystone Form - White Cove Strip - Tie Wires - 112 ft
FPFT	Poly Form - White Cove Strip - Tie Wires - 112 ft
FFCFT	French Curve - White Cove Strip - Tie Wires - 112 ft
FCOMFT	Commercial Form - White Cove Strip - Tie Wires - 112 ft
FSEFT	Stone Edge Form - White Cove Strip - Tie Wires - 112 ft
FHFT	Hemi Form - White Cove Strip - Tie Wires - 112 ft

Note: All Forms with Tie Wires are also available with Colored Cove Strip.

NECESSARY TOOLS
• Knife

PREPARATION
• The tile must be pre-set, straight, and level. Set the tile even or above bond beam not below.
• Where the tile is above the bond beam, the tile man should build up cement level with the top of the tile and feather down to the bond beam.
• Be sure the tile is dust and moisture free.

INSTALLATION
1. Remove the tape backing just ahead of attaching the form band.
2. Attach the Form against the tile with the bottom edge of the cove even with the top edge of the tile. As the form is positioned, press the band firmly against the tile.
3. Cut or space bands to avoid having a break in a sharp radius. Use a sharp knife; do not use a saw.
4. On 90 degree corners, miter with a sharp knife.
5. On outside curves, exert end pressure while attaching the bands against the tile (for curve installation see other side Curve Instructions).
6. Insert Cove Strip onto form in the position indicated in the diagram below.
7. Place a spear and button lock approximately every 14 inches. For the Keystone Form, slide the plastic spear through the oblong hole in the cove strip. For the Poly, French and Commercial Forms, slide the plastic spear over the top edge of the cove strip at a slight upward angle. Then push the spear through the form band. The depth of penetration is quickly ascertained by allowing the square lip of the spear to come to rest within the oblong hole of the cove strip or directly above the cove strip.
8. When the spear lip has been positioned at the cove strip hole, merely drive the cut nail through the hole in the end of the spear, anchoring the spear to the bond beam. With the spear nailed in place, slide the self-locking button onto the sharp end of the spear and push the button firmly against the form band.
   Option: Install Nose, Flair or French Caps to line up with Control Joints.
9. It is always advisable to remove 1/2 shovel of dirt from behind the back edge of the bond beam approximately every 4 feet, as insurance against any inward movement of the deck. It is also advisable to lightly sand the bond beam to prevent the concrete deck from adhering to the bond beam.Mastic or asphaltic cement can be applied behind the cove strip on the top flange if a water seal is desired.

Note: Do not pre-grout the face of the form.When the concrete has solidified to the point where the form can be removed, the button is rotated, severing the spear behind the surface of the concrete. Then, the form band is removed revealing the cantilever edge.

Button   Cove Strip   Spear   Cove Strip   Spear   Button

Bond Beam   Bond Beam

Poly Form   Keystone Form

CURVE INSTRUCTIONS

In order to form tight radii without breaking the form bands, follow these procedures:

1. On outside radii, place the filament tape on the face of the form (in sufficient lengths to encompass the curve) in the two places shown in diagram 1.
2. For inside curves, place two strips of filament tape as shown in diagram 2. Duct tape may also be used.
3. After the filament tape is in place, pre-bend the form band before attaching the form against the tile.
4. The cove strip is implanted over the top edge of the tile between the tile and the form band. On a radius of under 4 feet, pre-bend the cove strip before pressing into position.

Filament Tape

Diagram 1   **Diagram 2**

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Cantilever Form Dimensions

Stone Edge

3 1/2″ — 1″
6″
2 1/2″
1 3/4″

Keystone

1 1/4″
3 1/2″
2 1/2″
1 3/4″

Poly

3 1/2″ — 1″
2 1/2″
1 3/4″

French Curve

1 1/4″
3 1/2″
2 1/2″
1 3/4″

Commercial

2 1/2″
1 1/2″ — 1/2″
3 1/2″
2 1/2″
2 3/4″

Hemi

3 1/2″ — 1 5/8″
2 1/2″
2 3/4″
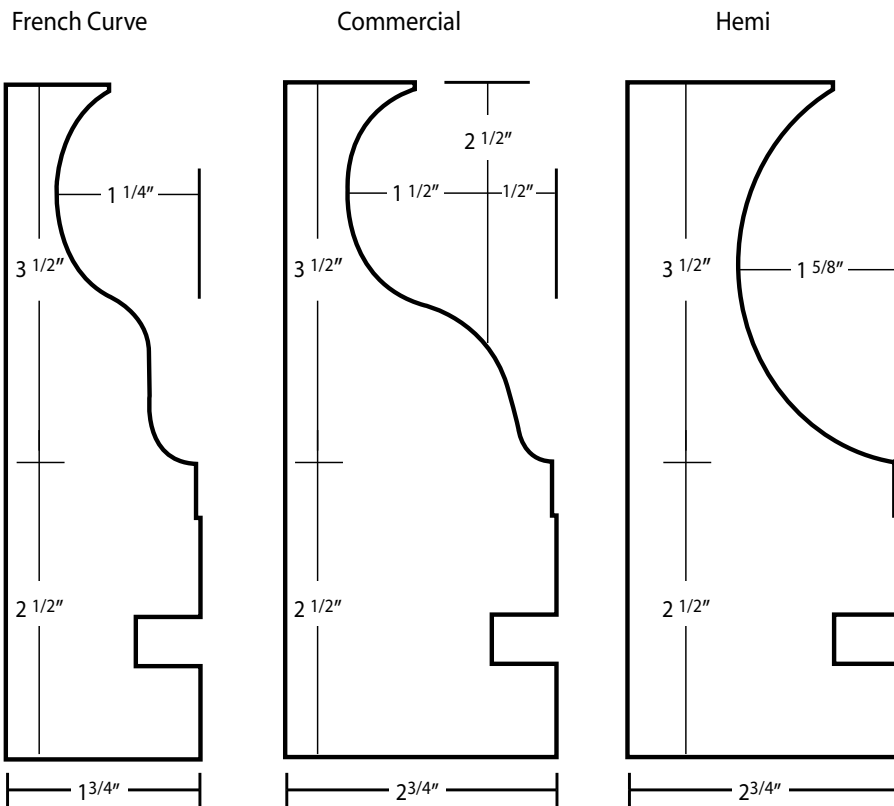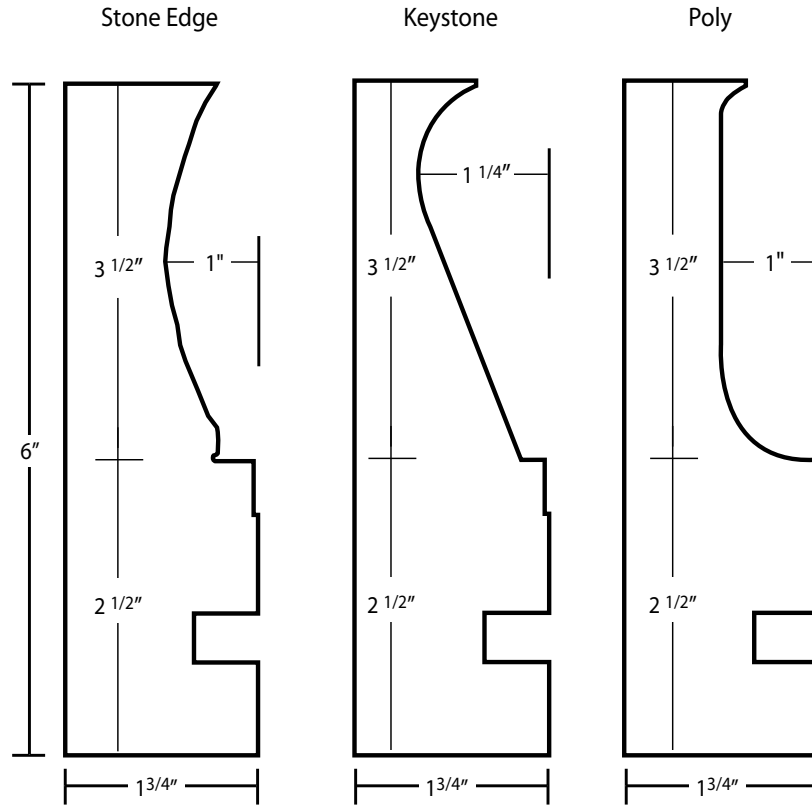
NOSE, FLAIR & FRENCH CAPS

Bringing our advanced spear & button technology to elegantly completing a Control Joint with our Nose, Flair and French Caps. All caps are firmly held to the form and easily released from the form with a twist of the button. Available in all colors, Mortex Flair, Nose, and French caps complement and extend your chosen color scheme to the edge of your deck.
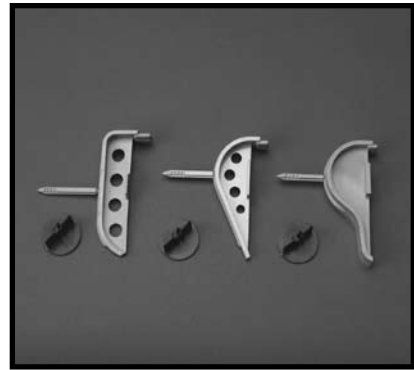
Product Detail	Description
Contents	50 caps and buttons per carton
Ctn Measurements	16" x 16" x 11" (41 cm x 41 cm x 28 cm)
Weight	2 lbs (0.91 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
CXFCC	Flair Cap - Charcoal
CXFCG	Flair Cap - Gray
CXFCM	Flair Cap - Marble
CXFCT	Flair Cap - Tan
CXFCW	Flair Cap - White
CXFRC	French Cap - Charcoal
CXFRG	French Cap - Gray
CXFRM	French Cap - Marble
CXFRT	French Cap - Tan
CXFRW	French Cap - White
CXNCC	Nose Cap - Charcoal
CXNCG	Nose Cap - Gray
CXNCM	Nose Cap - Marble
CXNCT	Nose Cap - Tan
CXNCW	Nose Cap - White
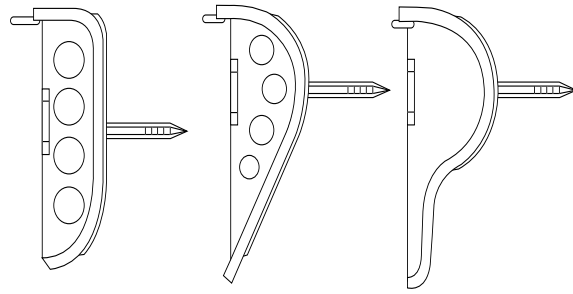
Nose Cap   Flair Cap   French Cap

- Nose Caps are for use with our Poly Forms
- Flair Caps are for use with our Keystone Forms
- French Caps are for use with our French Curve Forms
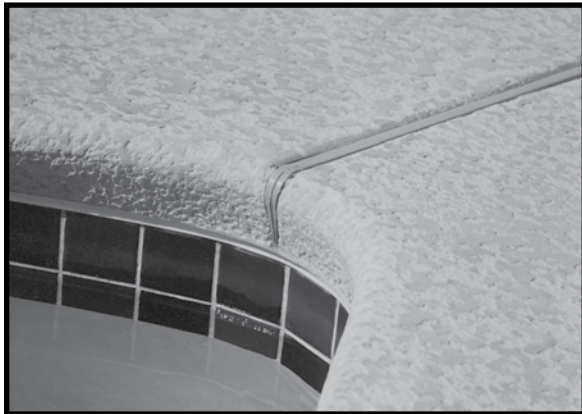
COVE STRIP

Cove strip forms a water stop between the top of the tile of the pool and the bottom of the edge of the concrete. It can be ordered in package sets with forms or seperately by the item numbers below.

Catalog Item #	Description
FXCSKC	Cove Strip Charcoal - 112 ft
FXCSKG	Cove Strip Gray - 112 ft
FXCSKT	Cove Strip Tan - 112 ft
FXCSKW	Cove Strip White - Keystone - 112 ft
FXCSP	Cove Strip White - Poly - 112 ft
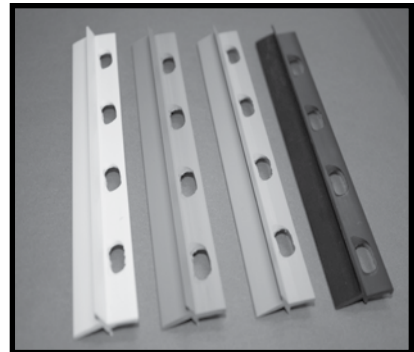
SPEARS & BUTTONS

Mortex invented and pioneered the Spear and Button anchoring system, which is far superior to conventional tie wires. This patented button-locking mechanism enable these forms to be set with speed, and then cleanly removed with just a twist of the button.

Product Detail	Description
Contents	110 spear & buttons, 120 nails and One roll of filament tape
Ctn. Measurements	Varies
Weight	Varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FXSP	Spear Pack with Nails
FXSPS	Spear Pack with Screws (for fiberglass pools)

Button

Spear

1 1/8"

7 1/2"
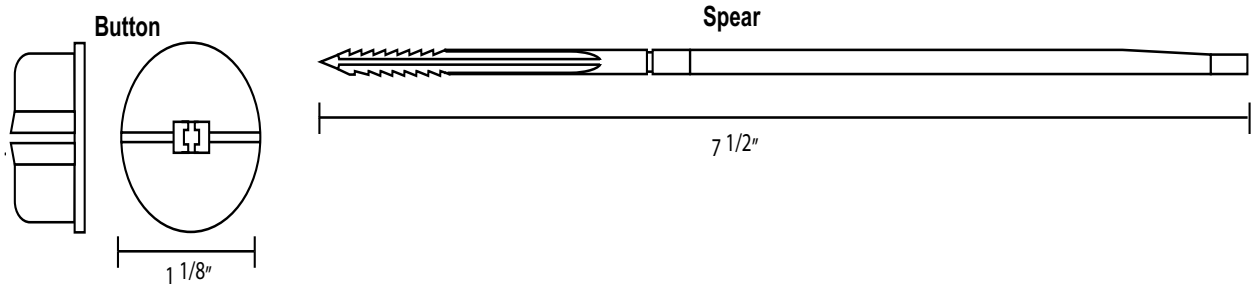
TIE WIRES

Tie wire are the alternative to the spear and button locking system.
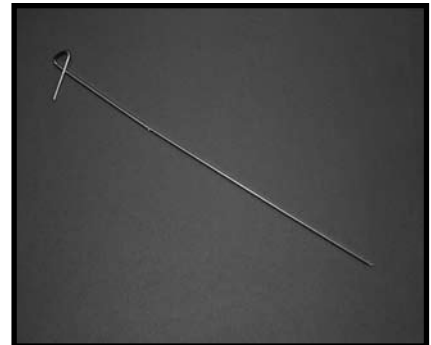
Product Detail	Description
Contents	110 Tie Wires, 120 Screws and One roll of filament tape
Ctn. Measurements	Varies
Weight	Varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FXTB	Tie Bag with Nails
FXTBS	Tie Bag with Screws (for fiberglass pools)

Tie Wire

9 3/4"
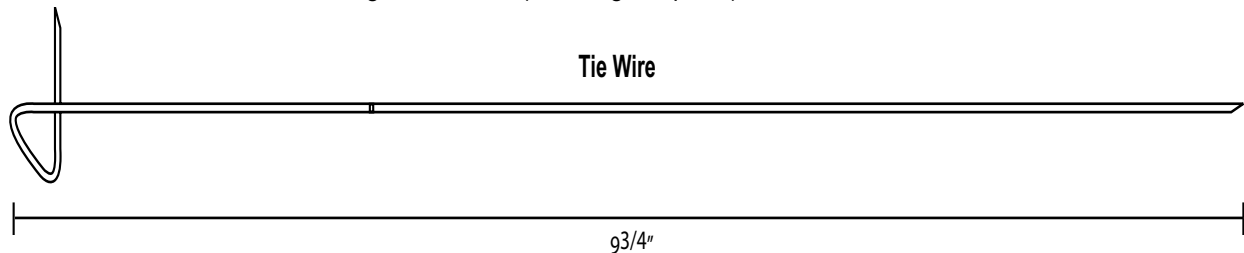
KEY PACKS AND KEY PLUS

Engineered for sure locking of Key Lock cantilever liner forms. Key Pack provide extra keys to be used with Mortex Key-Lock Vinyl Liner forms and the Key Plus allows the contractor to install a cantilever deck form on a liner pool of another brand.
- Key-Lock Keys are reusable and also sold separately
- The key is locked into position with just a quarter twist of the handle.

Product Detail	Description
Contents	110 Keys per carton
Ctn. Measurements	Varies
Weight	Varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FXKP	Key Pack (Reusable)
FXKPL	Key Plus (Reusable)

Key-Lock

Key-Plus
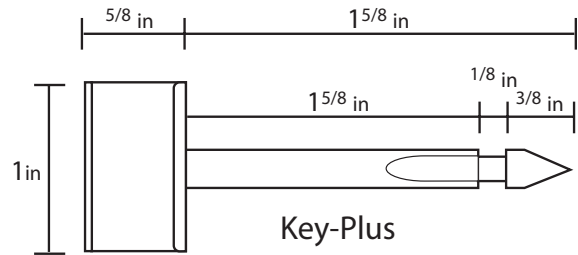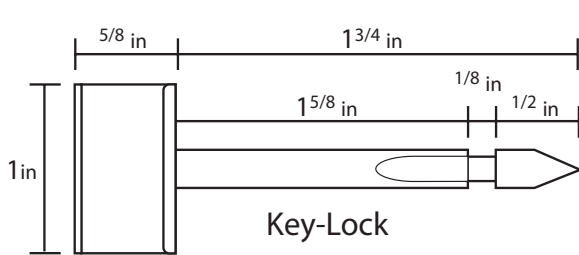
WALL TIE KIT

Use our Wall Tie Kit if you need additional attachments for the Cornice Moulding Forms.
- Many options for single, dual side applications of varying width wall.
- Cost effective - No need for additional cumbersome clamps.
- Easy to assemble and work with as there is nothing to reach around while troweling!
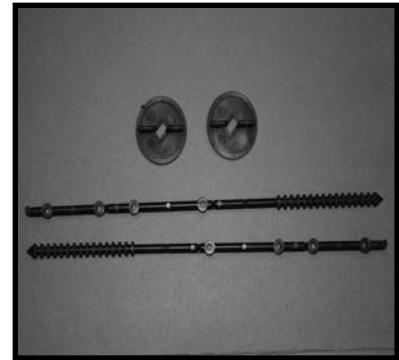
Product Detail	Description
Contents	110 Wall Ties, Dogs (buttons) per carton
Ctn. Measurements	Varies
Weight	Varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FXWT	WALL TIE KIT
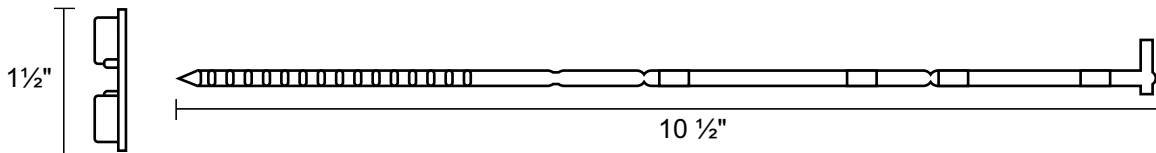
Add-On's, Out Strip & One x One's

Where some applications call for extend height or other needs, Mortex Add-On, Out Strips and One By Ones are a perfect addition. Uses include: Epoxy-Rock applications, thicker deck edge, or increase deck extension. Also available: Add-On Poly Forms and No-Lip Poly Forms

1″ by 1″

Note: One By Ones, make a form incompatible with Control Joint accessories.

1″ Out Strip

1 3/4″ Out Strip
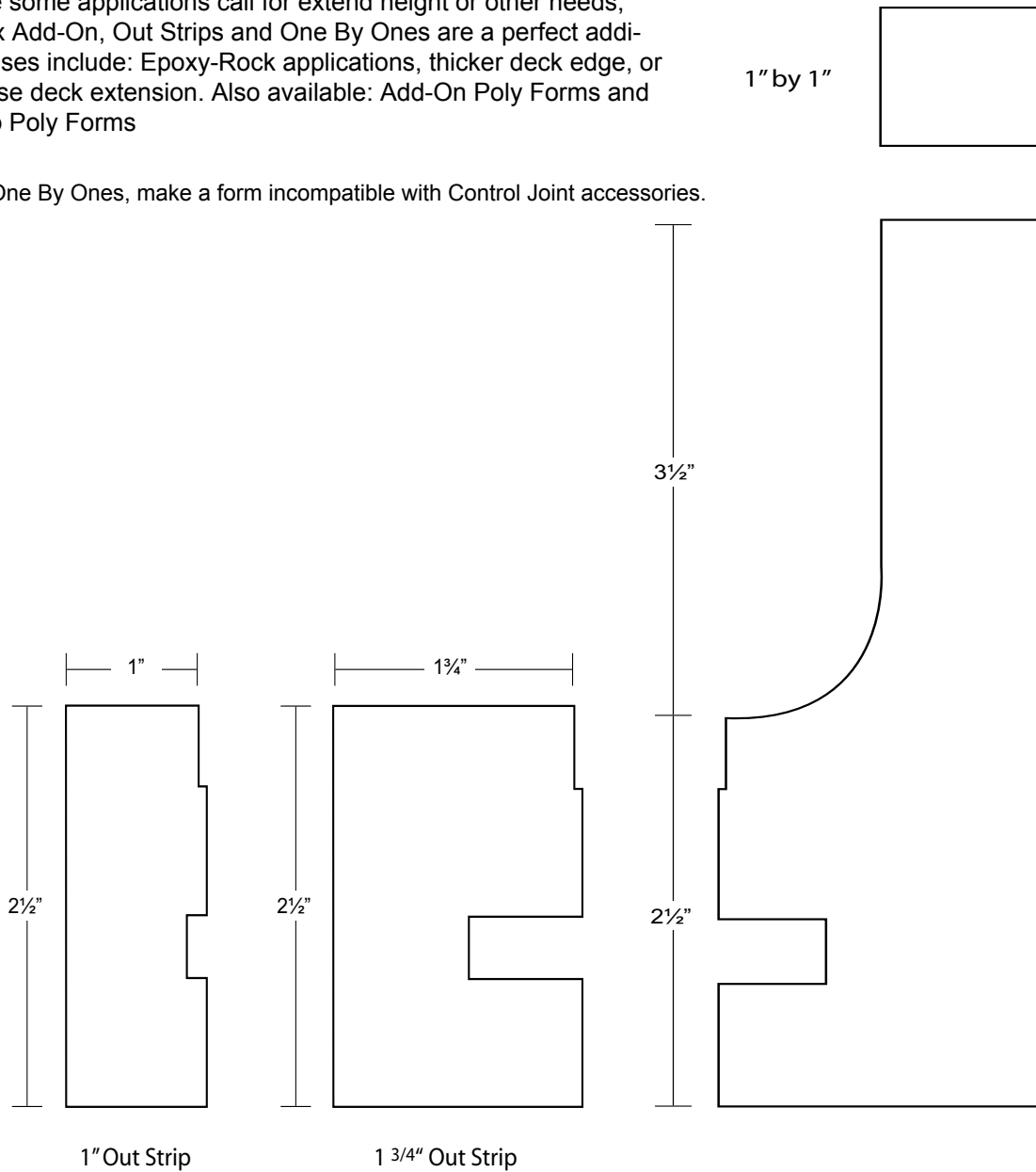
Add-On Poly Form

Product Detail	Description
Contents	112 ft Poly Form Bands (34.13 m) without top lip plus 112 ft of White Cove Strip; 112 ft of 1" x 1" Foam Strip (15/16" x 15/16") (2.38 cm x 2.38 cm) with Double Faced Tape on One Side. All 112 ft quantities in 14 - 8 ft (2.43 m) lengths Includes 110 Tie Wires, Nails, Filament Tape
Ctn. Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight truck, Ocean or Air
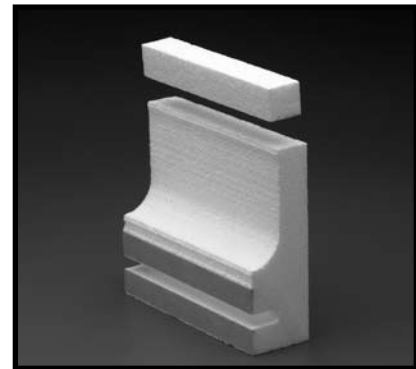
Catalog Item #	Description
FPAO	Add-On Poly Form

No Lip Poly Form

Product Detail	Description
Contents	112 ft Poly Form Bands (34.13 m) without top lip plus 112 ft of White Cove Strip in 14 - 8 ft (2.43 m) lengths. 110 Tie Wires, Nails, Roll of Filament Tape
Ctn. Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight truck, Ocean or Air

Catalog Item #	Description
FPNL	Poly Form No-Lip
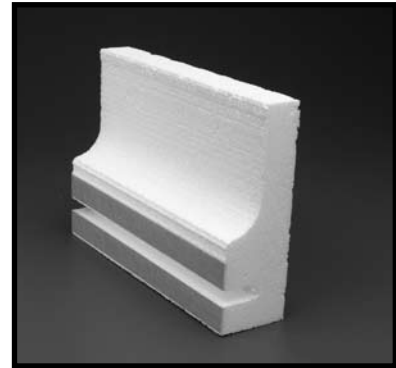
One x Ones - To extend the height of the form 1".

Product Detail	Description
Content	1152 ft of One x Ones (351.1 m) in 144 - 8 ft lengths(2.43 m) Double Faced Tape on one side Total One by One Size - 15/16" x 15/16" (2.38 cm x 2.38 cm)
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	18 lbs (8.16 kg)
Shipping Information	Freight truck, ocean or air

Catalog Item #	Description
FXP1X1	One By Ones

1" Out Strips - To extend the cantilever edge 1".

Product Detail	Description
Contents	416 ft of Strips (126.8 m) in 52 - 8 ft (2.43 m) lengths. 2 Rows of Double Faced Tape attached Strip Size - 15/16" W x 3.125" H (2.38cm x 6.67cm)
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	18 lbs (8.16 kg)
Shipping Information	Freight truck, ocean or air

Catalog Item #	Description
FXP1	1 Inch Out-Strips
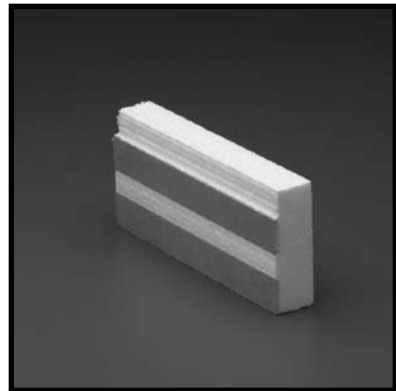
1 3/4" Our Strips - To extend the cantilever edge 1 3/4".

Product Detail	Description
Contents	224 ft of Strips (68.3 m) in 28 - 8 ft (2.43 m) lengths. 2 Rows of Double Faced Tape attached Strip Size - 1 7/8" W x 2 5/8 H (4.67cm x 6.67cm)
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	18 lbs (8.16 kg)
Shipping Information	Freight truck, ocean or air

Catalog Item #	Description
FXP175	1 3/4 Inch Out-Strips

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Fiberglass Pool Forms

Mortex Fiberglass cantilever deck forms are designed and engineered for practically any in-ground fiberglass pool. Our Fiberglass forms come with either our advanced spear and button system or tie wires to accommodate varying edge widths.
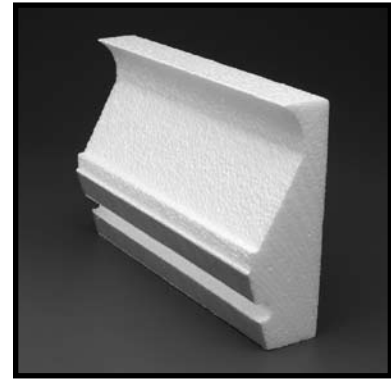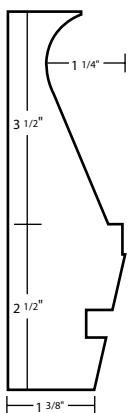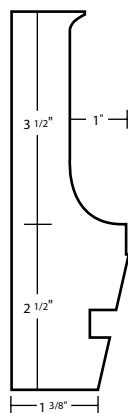
- Secure anchoring system allows the contractor to install a cantilever form that will stay.
- Angled shape for use with fiberglass pools with non-vertical walls.
- When side walls are approaching vertical and tile is installed, we recommend using our standard forms.

Product Detail	Description
Coverage	112 ft of Form Bands and Cove Strip (34.13 m)
Contents	14 - 8 foot lengths (2.43 m); Fiberglass attachment pack containing 110 tie wires, 110 screws and Filament Tape
Ctn. Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FFGF	Fiberglass Form - French Curve - White Cove Strip - Tie Wire
FFGFCC	Fiberglass Form - French Curve - Charcoal Cove Strip - Tie Wires
FFGFCG	Fiberglass Form - French Curve - Gray Cove Strip - Tie Wires
FFGFCT	Fiberglass Form - French Curve - Tan Cove Strip - Tie Wires
FFGK	Fiberglass Form - Keystone - White Cove Strip - Tie Wires
FFGKCC	Fiberglass Form - Keystone - Charcoal Cove Strip - Tie Wires
FFGKCG	Fiberglass Form - Keystone - Gray Cove Strip - Tie Wires
FFGKCT	Fiberglass Form - Keystone - Tan Cove Strip - Tie Wires
FFGP	Fiberglass Form - Poly - White Cove Strip - Tie Wires
FFGPCC	Fiberglass Form - Poly - Charcoal Cove Strip - Tie Wires
FFGPCG	Fiberglass Form - Poly - Gray Cove Strip - Tie Wires
FFGPCT	Fiberglass Form - Poly - Tan Cove Strip - Tie Wires
FXSPS	Spear Pack with Screws
FXTBS	Tie Bag with Screws

* All Forms are also available with a Spear Pack with Screws instead of Tie Wires.
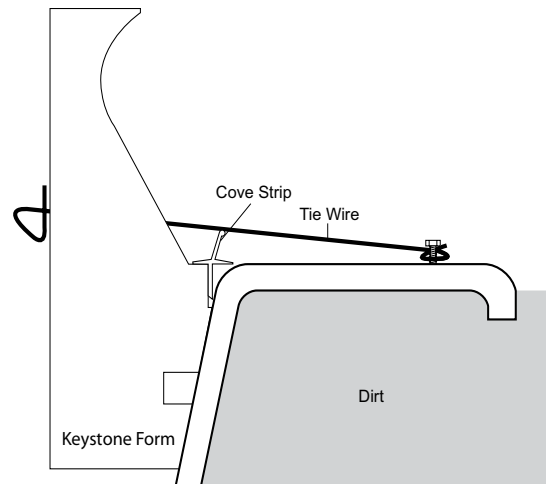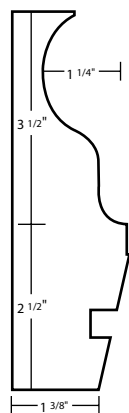
Keystone

1 1/4"
3 1/2"
2 1/2"
1 3/8"

Poly

1 1/4"
3 1/2"   1"
2 1/2"
1 3/8"

French Curve

1 1/4"
3 1/2"
2 1/2"
1 3/8"

Cove Strip
Tie Wire
Keystone Form
Dirt

NECESSARY TOOLS
•	Knife

PREPARATION
•	Be sure the fiberglass edge is free of release agent, dust and moisture. Use a non-petroleum cleaner such as MEK.
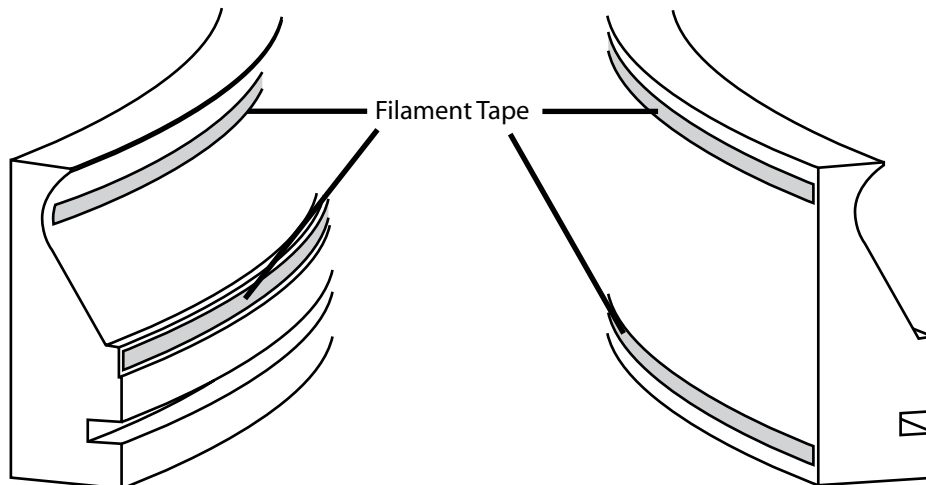
INSTALLATION
1.	Remove the tape backing just ahead of implanting the form band.
2.	Attach the form to the pool wall with the bottom edge of cove even with the top of the wall. Because of the large radius at the top of some walls, it its permissible to lower the form 3/8".
3.	Cut or space bands to avoid having a break in a sharp radius. Use a sharp knife; do not use a saw.
4.	On 90 degree corners, miter with a sharp knife.
5.	On outside curves, exert end pressure while implanting the bands against the pool wall.
6.	See Curve Instructions.
7.	After the filament tape is in place, pre-bend the form band before implanting the form against the pool wall.
8.	The cove strip is implanted over the top edge of the pool wall between the pool wall and the form band. On a radius of under 4 feet, pre-bend the cove strip before pressing into position.
9.	Place a tie wire or spear and button approximately every 14 inches.
	Use additional for curves and radii.
10.	Mastic or asphaltic cement can be applied behind the cove strip on the top flange if a water seal is desired.
	Please Note: Do not pre-grout the face of the form.
11.	When the concrete has solidified to the point where the form can be removed the tie wire is rotated, severing the tie behind the surface of the concrete. Then, the form band is removed revealing the cantilever edge.

CURVE INSTRUCTIONS
In order to form tight radii without breaking the form bands, follow these procedures:
1.	On outside radii, place the filament tape on the face of the form (in sufficient lengths to encompass the curve) in the two places shown in diagram 1.
2.	For inside curves, place two strips of filament tape as shown in diagram 2. Duct tape may also be used.
3.	After the filament tape is in place, pre-bend the form band before attaching the form against the tile.
4.	The cove strip is implanted over the top edge of the tile between the tile and the form band. On a radius of under 4 feet, pre-bend the cove strip before pressing into position.


Filament Tape

The manufacturer offers this product and Information in good faith, but without guarantee either expressed or implied, as conditions and methods of use of our product are beyond our control.

Rite Strip

Rite Strips are L shaped PVC extrusions used to minimize the large radius on the top of a fiberglass pool for the use of a cantilever form.

- Cove Strip can be used with Rite Strip to form a water stop and assist with alignment.
- Spear & Button or Tie Wire attachments can be used depending on the size of the lip of the fiberglass pools.
- Available in straight or radius cut strips.
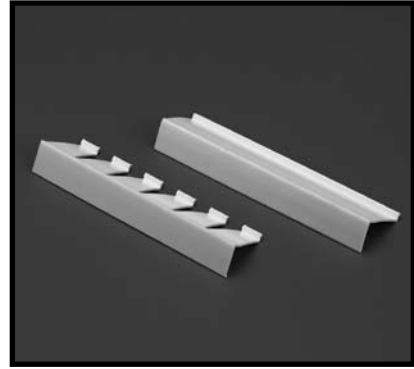
Rite Strip Only

Product Detail	Description
Coverage	112 ft of Straight or Radius Cut Rite Strips
Carton Contents	112 feet in 14 - 8 foot lengths
	# 8 x 1" self tapping screws provided for mounting the strips
Carton Measurement	6 1/2" x 3 1/2" x 97" (16.5 cm x 8.9 cm 246.4 cm)
Weight	Radius Cut: 9 lbs (4.1 kg) Straight Cut: 8 lbs (3.6 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Rite Strip with Forms

Product Detail	Description
Coverage	112 ft of Straight or Radius Cut Rite Strips
Carton Contents	14 - 8 foot lengths or form bands and Rite Strip,
	#8 x 1" self tapping screws provided for mounting the strips
	Option of Spear & Button or Tie Wire Attachment pieces
Carton Measurement	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
FXRSRCW	Rite Strip Only - Radius Cut - White
FXRSW	Rite Strip Only - White
FKRST	Keystone Form - Straight Rite Strip - Tie Wires - Screws
FKRSRCT	Keystone Form - Radius Cut Rite Strip - Tie Wires - Screws
FKRS	Keystone Form - Straight Rite Strip - Spears & Buttons - Screws
FKRSRC	Keystone Form - Radius Cut Rite Strip - Spears & Button - Screws
FPRST	Poly Form - Straight Rite Strip - Tie Wires - Screws
FPRSRCT	Poly Form - Radius Cut Rite Strip - Tie Wires - Screws
FPRS	Poly Form - Straight Rite Strip - Spears & Buttons - Screws
FPRSRC	Poly Form - Radius Cut Rite - Spears & Buttons - Screws
FSEFRST	Stone Edge Form - Straight Rite Strip - Tie Wires - Screws
FSEFRSRCT	Stone Edge Form - Radius Cut Rite Strip - Tie Wires - Screws
FSEFRS	Stone Edge Form - Straight Rite Strip - Spears & Buttons - Screws
FSEFRSRC	Stone Edge Form - Radius Cut Rite Strip - Spears & Buttons - Screws
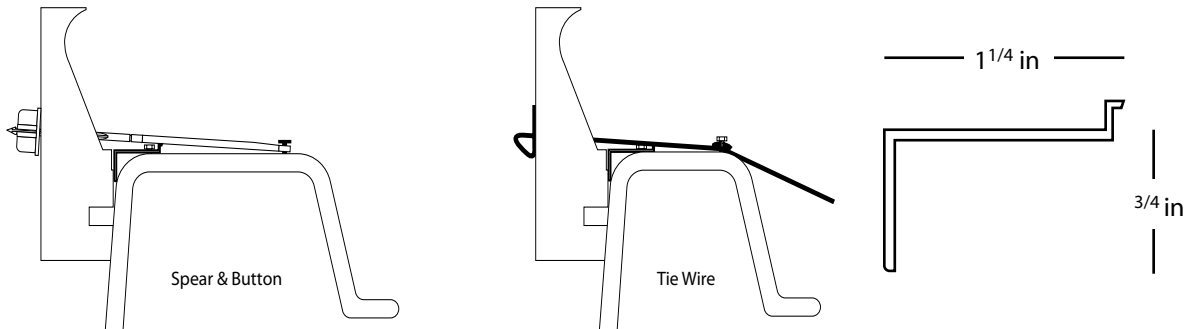
Spear & Button

Tie Wire

$1^{1/4}$ in

$3/4$ in

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Glow-Rite® Lighting Forms

When you choose our Glow-Rite® Lighting Form System, you don't have to compromise lighting of the pool for the cover. You can now have perimeter lighting when choosing amenities and options for building pools, steps and cornice mouldings. Glow-Rite Lighting Form System comes in two track variations and are able to handle the multiple shapes of fiber optic cable.

- Form flexibility gives designers and contractors endless options in pool shapes (1 ft radius capability with use of filament tape)
- Fiber optic track locks into the form and concrete
- Minimal extra clean up. Concrete doesn't ooze inside track when pouring the slab
- Safely light the edge when cover is on the pool versus not at all

Round Fiber Optic Track

5/16"
1/4"

Flat Fiber Optic Track

5/8"
1/8"

1 1/2"
Anchor
Button
3 3/4"
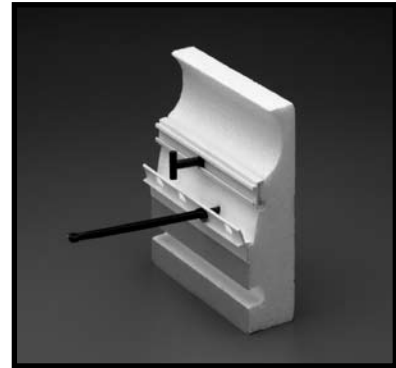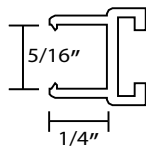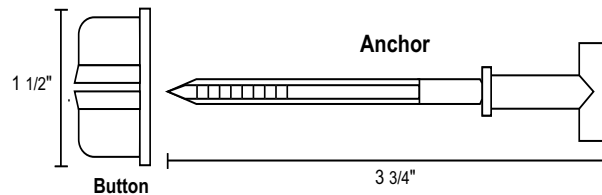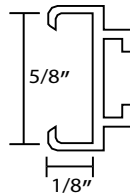
Round Track use: Fiberstars™ ELD; Supervision SV42 & SV32; FIBERworks® FW25, FW50

Flat Track use: Fiberstars™ FSCA, FSSB, FSSB-CLB42; Supervision SV23

Glow-Rite Standard Form

Product Detail	Description
Coverage	112 ft (34.13m) of Form Bands, Fiber Optic Track (Round or Flat) & White Cove Strip
Contents	14 - 8 ft (2.43 m) lengths. Anchor Pack, Spears, Buttons, Nails and Filament Tape
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	30 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Catalog Item #	Description
FGRNF	Glow-Rite Standard Pool Form - Flat
FGRNR	Glow-Rite Standard Pool Form - Round

All Glow-Rite kits come with 110 Anchors and Buttons.
For additonal Anchors and Buttons:

|	
FXGRTAK	Glow Rite Anchor Pack

Standard

Track
1"
Button
Anchor

1 3/4"
1 3/4"
2 1/2"
1 3/4"

Glow-Rite Fiberglass Form

Product Detail	Description
Coverage	112 ft (34.13 m) of Form Bands, Fiber Optic Track (Round or Flat) and White Cove Strip
Contents	14 - 8 ft (2.43 m) lengths. Anchor Pack, Tie Wires and Screws, and Filament Tape
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	30 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Catalog Item #	Description
FGRFF	Glow-Rite Fiberglass Form - Flat
FGRFR	Glow-Rite Fiberglass Form - Round
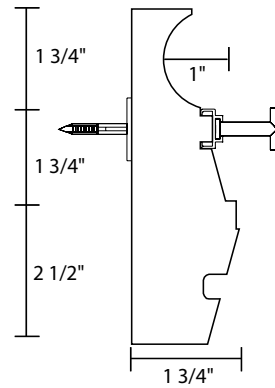
Fiberglass

Glow-Rite Vinyl Liner Key Lock

Product Detail	Description
Coverage	112 ft (34.13 m) of Form Bands, Fiber Optic Track (Round or Flat) and White Straight Retainer
Contents	14 - 8 ft (2.43 m) lengths. Anchor Pack, Key Pack, and Filament Tape.
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	30 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

| Catalog Item #	Description
FGRKLF	Glow-Rite Key-Lock Liner Form - Flat
FGRKLR	Glow-Rite Key-Lock Liner Form - Round
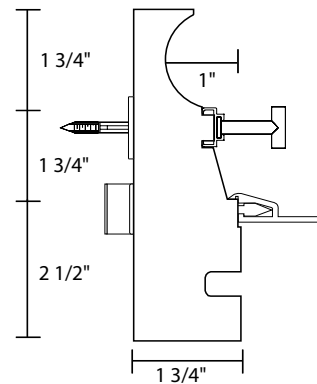
Vinyl Liner

Glow-Rite Automatic Pool Cover Form

Product Detail	Description
Coverage	112 ft (34.13 m) of Form Bands, Fiber Optic Track (Round or Flat), and White Cove Strip
Contents	14 - 8 ft (2.43 m) lengths
	16 ft (4.87 m) of 1 3/4" Extension
	96 ft (29.3 m) of 1 3/4" Routed Extension
	Anchor Pack, Spears, Buttons and Nails
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	30 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

| Catalog Item #	Description
FGRCF	Glow-Rite Automatic Pool Cover Form - Flat
FGRCR	Glow-Rite Automatic Pool Cover Form - Round
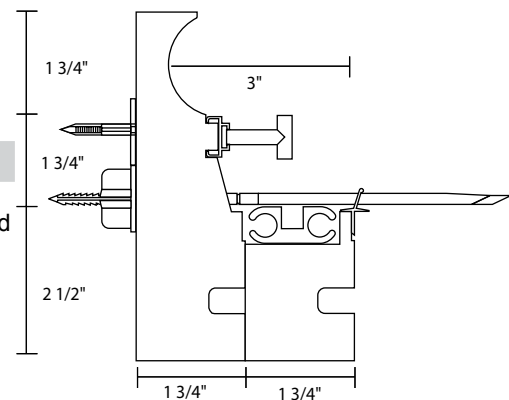
Pool Cover

Glow-Rite® Lighting Forms

Glow-Rite Cornice Moulding Form

Product Detail	Description
Coverage	80 ft (24.39 m) of Form Bands and Fiber Optic Track (Round or Flat)
Contents	10 - 8 ft (2.43 m) lengths, one Anchor Pack and one Wall Tie Kit.
Ctn. Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	30 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Catalog Item #	Description
FGRWF	Glow-Rite Cornice Moulding Form - Flat
FGRWR	Glow-Rite Cornice Moulding Form - Round

Cornice Moulding
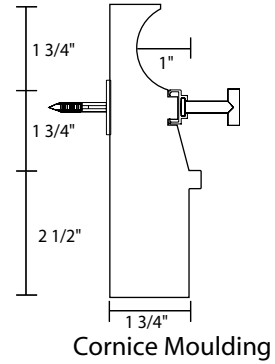
Glow-Rite Step Form

Product Detail	Description
Coverage	40 ft (12.2 m) of Form Bands and Fiber Optic Track (Round or Flat)
Contents	10 - 4 ft (1.22 m) lengths, Anchor Pack
Ctn. Measurements	13" x 13" x 52" (33 cm x 33 cm x 132.1 cm)
Weight	30 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

| Catalog Item #	Description
FGRSF	Glow-Rite Step Form - Flat
FGRSR	Glow-Rite Step Form - Round

Step
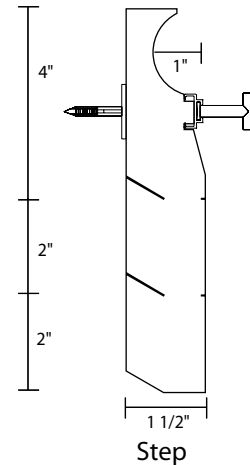
NECESSARY TOOLS
• Knife

PREPARATION
• Install forms per Cantilever Form Instructions.

INSTALLATION
1. After the form is placed and secure, measure out fiberoptic track staggering the breaks or seams of the track between breaks in the form. Pre-bend the fiberoptic track for corners and radii where necessary. Do not start and stop fiberoptic track in a radius.

2. Position the fiberoptic track in its grooves along the form. Insert the anchors, with the anchor post facing horizontally, through the holes on the track on the interior side of the form. Turn the anchor 90 degrees clockwise to a vertical position, locking it into place.

3. Press the button over the anchor shaft on the exterior of the form to secure the track and anchor.

4. When the concrete has solidified to the point where the form can be removed, remove anchor buttons first. To remove, rotate anchor buttons counterclockwise, severing the anchor behind the surface of the track. The remaining portion of the embedded anchor holds the fiberoptic track securely in the concrete. Continue removing forms per form instructions revealing the cantilever edge and open fiberoptic track.
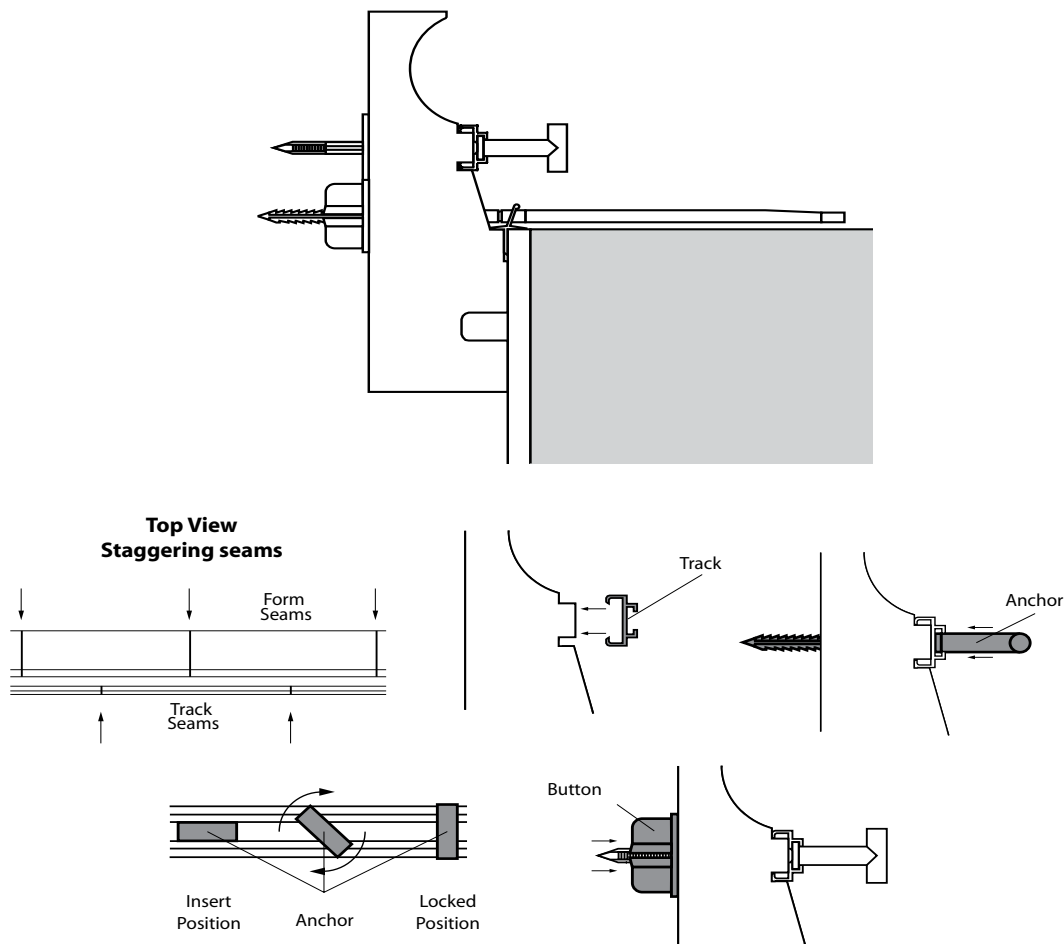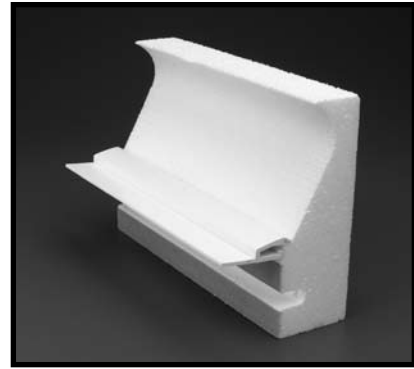

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Key-Lock™ Forms for Vinyl Liner Pools

Key-Lock™ forms offer an advanced attachment system for vinyl liner pools. Simple and easy to secure with keys that push through the form into the liner track, allowing the form to be set quickly. The key is locked into position with just a quarter turn of the handle.

• Radius cut retainer option allows designers and contractors endless options in pool shapes
• Key-Lock Keys are reusable
• Forms are light weight and disposable after the job

Product Detail	Description
Coverage	112 ft of Form Bands and Liner Track (34.13 m)
Contents	14 - 8 foot lengths of Form Bands & Track (2.43 m) One roll of Filament Tape & Key pack (110 Keys)
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	35 lbs. (17 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

When you order the FXRCE along with the FKLF, FKL or FKLP we will exchange 8 feet of the straight retainer for 8 feet of the radius cut retainer.

Catalog Item #	Description
FKLF	Key-Lock Liner PVC Straight Track + French Curve Form + Key Pack
FKL	Key-Lock Liner PVC Straight Track + Keystone Form + Key Pack
FKLP	Key-Lock Liner PVC Straight Track + Poly Form + Key Pack
FKLSEF	Key-Lock Liner PVC Straight Track + Stone Edge Form + Key Pack
FXRCE	Key-Lock Radius Cut PVC Track - Exchange (8 foot section)

Possible 1-2 week lead time for large quanities of the following:

| Catalog Item #	Description
FKLFRC	Key-Lock Liner PVC Radius Cut Track + French Curve Form + Key Pack
FKLRC	Key-Lock Liner PVC Radius Cut Track + Keystone Form + Key Pack
FKLPRC	Key-Lock Liner PVC Radius Cut Track + Poly Form + Key Pack
FKLSEFRC	Key-Lock Form PVC Radius Cut Track + Stone Edge Form + Key Pack

PVC Liner Tracks

Key-Lock™ Liner tracks are used to hold the liner into a vinyl liner pool. They are made of PVC, come in the color white and are available in straight or radius cut lengths. The tracks a
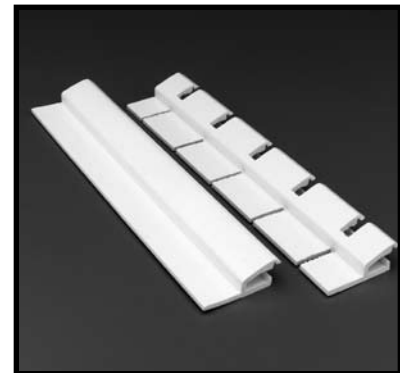
• Provides an economical alternative to the Aluminum track.
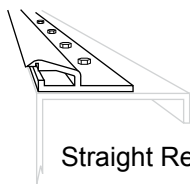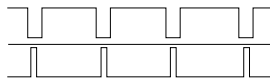
Straight Retainer   Radius Cut Retainer

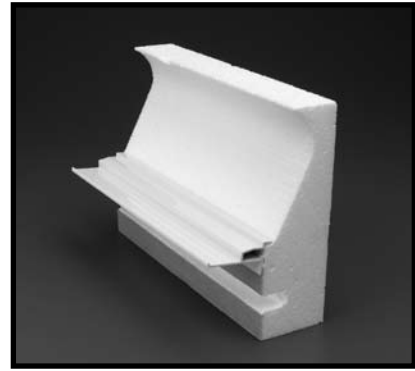| Product Detail	Description
Coverage	112 ft of White Straight or Radius Cut Liner Track (34.13 m)
Contents	14 -8 foot lengths
Carton Measurements	4" x 6" x 97" (10.2cm x 15.2cm 246.4cm)
Weight	35 lbs (15.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FXR	Key-Lock Liner Track Only
FXRCR	Key-Lock Radius Cut - Track Only
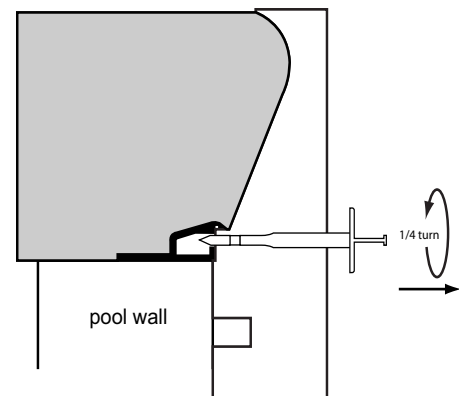
pool wall

1/4 turn

Key-Lock™ Forms for Vinyl Liner Pools

Key-Lock™ forms offer an advanced attachment system for vinyl liner pools. Aluminum Key-Lock forms have all the advantages of PVC Key-Lock forms, with more choices for fiber optic lighting capability.

- When the concrete has finished its initial set, the key is unlocked with a quarter turn, and the form is removed
- Radius cut retainer option allows designers and contractors endless options in pool shapes.
- Key-Lock Keys are reusable
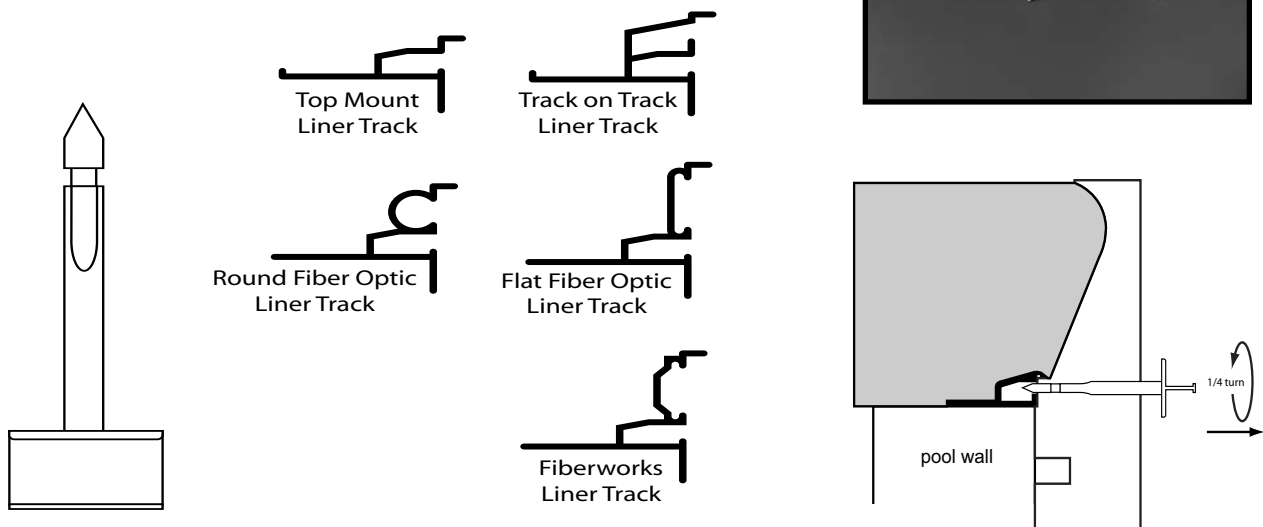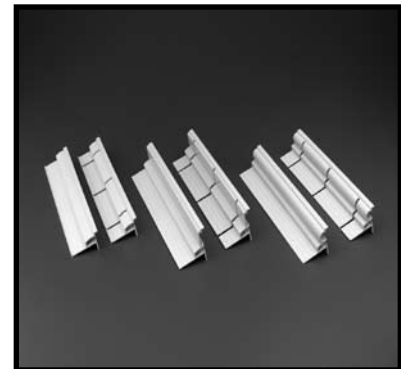- Forms are light weight and disposable after the job

Product Detail	Description
Coverage	112 ft of Form Bands and Aluminum Straight or Radius Cut Liner Track (34.13 m)
Contents	14 - 8 foot lengths (2.43 m) of Form Bands and Track
	One roll of Filament Tape; Key pack including 110 Keys
Ctn Measurements	Product comes in two separate boxes banded together:
	13" x 13" x 102" (33cm x 33cm x 259cm) and 3 1/2" x 6 1/2" x 97" (9cm x 17cm x 246cm)
Weight	50 lbs total (22.6 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Aluminum Liner Tracks

Key-Lock Liner tracks are used to hold the liner into a vinyl liner pool. They are made of heavy strength aluminum and are available in straight or radius cut lengths. Some of our tracks offer the option of Fiber Optic lighting.

- Aluminum liner tracks provide the strength to last in extreme cold weather conditions.
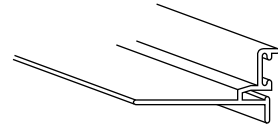
Top Mount Liner Track

Track on Track Liner Track

Round Fiber Optic Liner Track

Flat Fiber Optic Liner Track

Fiberworks Liner Track

pool wall

1/4 turn

Catalog Item #	Description

Aluminum Flat Fiber Optic
For installing Fiber Optics on a Vinyl Liner Pool
Use the top track to install a fiber optic cable and the bottom track to install the liner.

Straight
FXALRFFO	Alum. Flat Fiber Optic Track (Track Only)
FKLAFFOK	Alum. Flat Fiber Optic Track + Keystone Forms + Keys
FKLAFFOP	Alum. Flat Fiber Optic Track + Poly Forms + Keys
FKLAFFOSE	Alum. Flat Fiber Optic Track + Stone Edge Forms + Keys
FKLAFFOF	Alum. Flat Fiber Optic Track + French Curve Forms + Keys

Radius Cut
FXAFFORC	Alum. Flat Fiber Optic Track Radius Cut (Track Only)
FKLAFFOKRC	Alum. Flat Fiber Optic Radius Cut Track + Keystone Form + Keys
FKLAFFOPRC	Alum. Flat Fiber Optic Radius Cut Track + Poly Form + Keys
FKLAFFOSERC	Alum. Flat Fiber Optic Radius Cut Track + Stone Edge Forms + Keys
FKLAFFOFRC	Alum. Flat Fiber Optic Radius Cut Track + French Curve Foms + Keys

### Inside & Outside Radius Tracks
FXA6RIF	Alum. Flat Fiber Optic 6" Radius Inside Track (Track Only) - 2 foot piece
FXA6ROF	Alum. Flat Fiber Optic 6" Radius Outside Track (Track Only) - 2 foot piece

Use with: Fiberstars™ FSCA, FSSB, FSSB-CLB42; Supervision SV23

Aluminum Round Fiber Optic
For installing Fiber Optics on a Vinyl Liner Pool
Use the top track to install a fiber optic cable and the bottom track to install the liner.
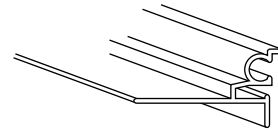
Straight
FXALRRFO	Alum. Round Fiber Optic Track (Track Only)
FKLARFOK	Alum. Round Fiber Optic Track + Keystone Forms + Keys
FKLARFOP	Alum. Round Fiber Optic Track + Poly Forms + Keys
FKLARFOSE	Alum. Round Fiber Optic Track + Stone Edge Forms + Keys
FKLARFOF	Alum. Round Fiber Optic Track + French Curve Forms + Keys

Radius Cut
FXARFORC	Alum. Round Fiber Optic Radius Cut Track (Track Only)
FKLARFOKRC	Alum. Round Fiber Optic Radius Cut Track + Keystone Forms + Keys
FKLARFOPRC	Alum. Round Fiber Optic Radius Cut Track + Poly Forms + Keys
FKLARFOSERC	Alum. Round Fiber Optic Radius Cut Track + Stone Edge Forms + Keys
FKLARFOFRC	Alum. Round Fiber Optic Radius Cut Track + French Curve Forms + Keys

Inside & Outside Radius Tracks
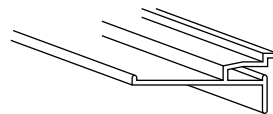|	
FXA6RIR	Alum. Round Fiber Optic 6" Radius Inside Track (Track Only) - 2 foot piece
FXA6ROR	Alum. Round Fiber Optic 6" Radius Outside Track (Track Only) - 2 foot piece

Use with: Fiberstars™ ELD; Supervision SV42 & SV32; FIBERworks® FW25, FW50

Key-Lock™ Forms-Alum Track Codes

Catalog Item #	Description

Aluminum Top Mount
For installing a Vinyl Liner Pool

Straight
|	
FXALR	Alum. Top Mount Track (Track Only)
FKLAK	Alum. Top Mount Track + Keystone Forms + Keys
FKLAP	Alum. Top Mount Track + Poly Forms + Keys
FKLASE	Alum. Top Mount Track + Stone Edge Forms + Keys
FKLAF	Alum. Top Mount Track + French Curve Forms + Keys

Radius Cut
FXARC	Alum. Top Mount Radius Cut Track (Track Only)
FKLAKRC	Alum. Top Mount Radius Cut Track + Keystone Forms + Keys
FKLAPRC	Alum. Top Mount Radius Cut Track + Poly Forms + Keys
FKLASERC	Alum. Top Mount Radius Cut Track + Stone Edge Forms + Keys
FKLAFRC	Alum. Top Mount Radius Cut Track + French Curve Forms + Keys

Inside & Outside Radius Tracks
FXA6RI	Alum. Top Mount 6" Radius Inside Track (Track Only) - 2 foot piece
FXA6RO	Alum. Top Mount 6" Radius Outside Track (Track Only) - 2 foot piece

Aluminum Track on Track
Designed for the pool builder who likes to install the pool liner first, then back fill the pool and pour the deck last. Use the bottom track to attach the liner and the top track to lock the cantilever form in place. After the form is removed, use the Trim Strip to seal the top track once the decking is poured.
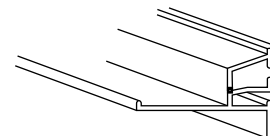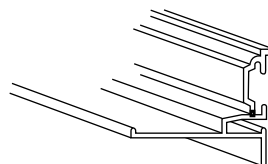
Track on Track
FXALRTT	Alum. Track on Track Straight Track (Track Only)
FXALRTTR	Alum. Track on Track Radius Cut Track (Track Only)
FXA6RITT	Alum. Track on Track 6" Inside Radius Cut Track (Track Only) - 2 foot piece
FKLATTFRC	Alum. Track on Track Radius Cut Track + French Curve Forms + Keys
FKLATTKRC	Alum. Track on Track Radius Cut Track + Keystone Forms + Keys
FKLATTPRC	Alum. Track on Track Radius Cut Track + Poly Forms + Keys
FKLATTSERC	Alum. Track on Track Radius Cut Track + Stone Edge Forms + Keys

Trim Strip - Use the Trim Strip to seal the top track of the Track on Track once the decking is poured.
FXATSW	Trim Strip - White - Roll of 120 feet
FXATSG	Tril Strip - Grey - Roll of 120 feet

Aluminum Fiberworks Tracks
For installing Fiber Optics on a Vinyl Liner Pool
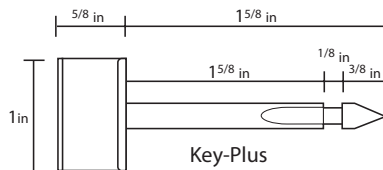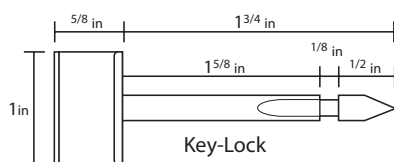
FXALRFWT	Alum. Fiberworks Track (Track Only)
FXAFWTRC	Alum. Fiberworks Track Radius Cut (Track Only)

Use with American Fiberworks; Ultra Glow; Fiberstars FSCA

Key Attachment Packs
FXKP	Key Pack (110 keys) - For use with all Mortex Key-Lock Tracks.
FXKPL	Key Plus (110 keys) - For use on other tracks.

Key-Lock

Key-Plus

Mortex Manufacturing • 1.800.338.3225 • mortex.com

Key-Lock™ Instructions

NECESSARY TOOLS
• Knife

Coverage: 112 lineal ft (34 m)

INSTALLATION
1. Position the vinyl or aluminum Key-Lock liner retainer on top of the pool wall, wih the bottom edge of the retainer flush with the face of the pool wall.
2. Using self-drilling screws, attach the liner retainer.
3. Remove the tape backing just ahead of attaching the form band.
4. Position the form band on the pool wall, against the retainer. As the form is positioned, press the band firmly against the wall.
5. Cut or space bands to avoid having a break in a sharp radius. Use a sharp knife; do not use a saw.
6. On 90 degree corners, miter with a sharp knife.
7. On outside curves, exert end pressure while attaching the bands against the tile (for curve installation see Curve Instructions).
8. Holding key with the handle in the horizontal direction, push through the form band.
9. To lock the form, simply push firmly and twist the key handle 1/4 turn to the vertical position. Place a key approximately every 14 inches. Install additional on curves and radii.
    Option: Install Nose, Flair or French Caps to line up with Control Joints.
10. When the concrete has solidified to the point where the form can be removed, turn the key 1/4 turn (back to the horizontal position) to unlock the form. Next , pull the key out and then remove the form band revealing the cantilever edge.
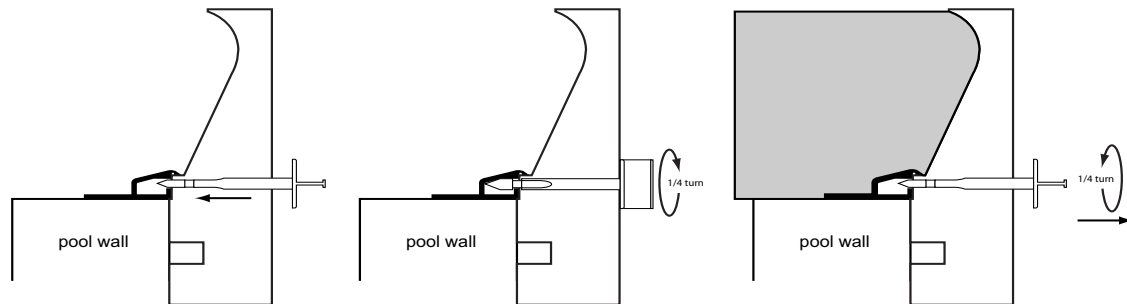
CURVE INSTRUCTIONS
In order to form tight radii without breaking the form bands, follow these procedures:
1. On outside radii, place the filament tape on the face of the form (in sufficient lengths to encompass the curve) in the two places shown in diagram 1.
2. For inside curves, place two strips of filament tape as shown in diagram 2.
3. After the filament tape is in place, pre-bend the form band before attaching the form against the tile.
4. Radius Cut Retainers will need to be used for radii.
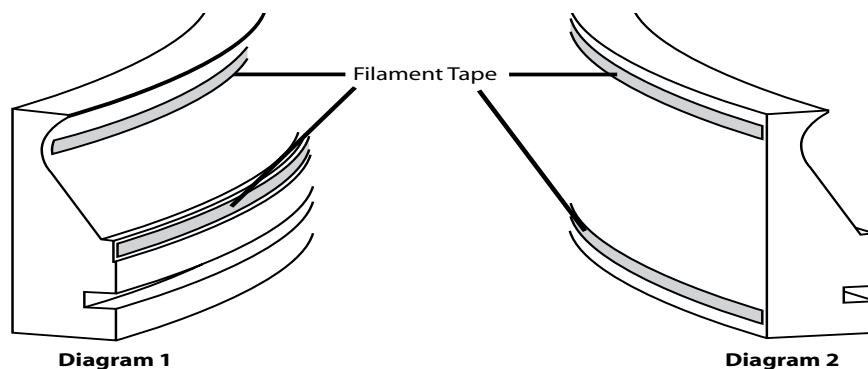
Filament Tape

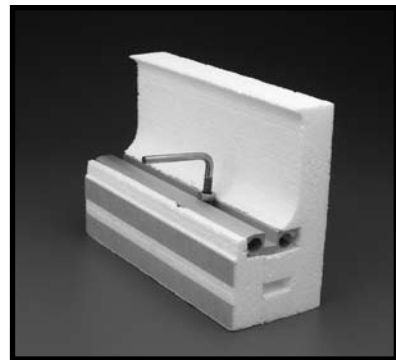Diagram 1   Diagram 2

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Automatic Pool Cover Forms

With all the advantages of our standard Mortex cantilever deck forms, these forms are designed for those who require the built-in convenience of an automatic pool cover system.
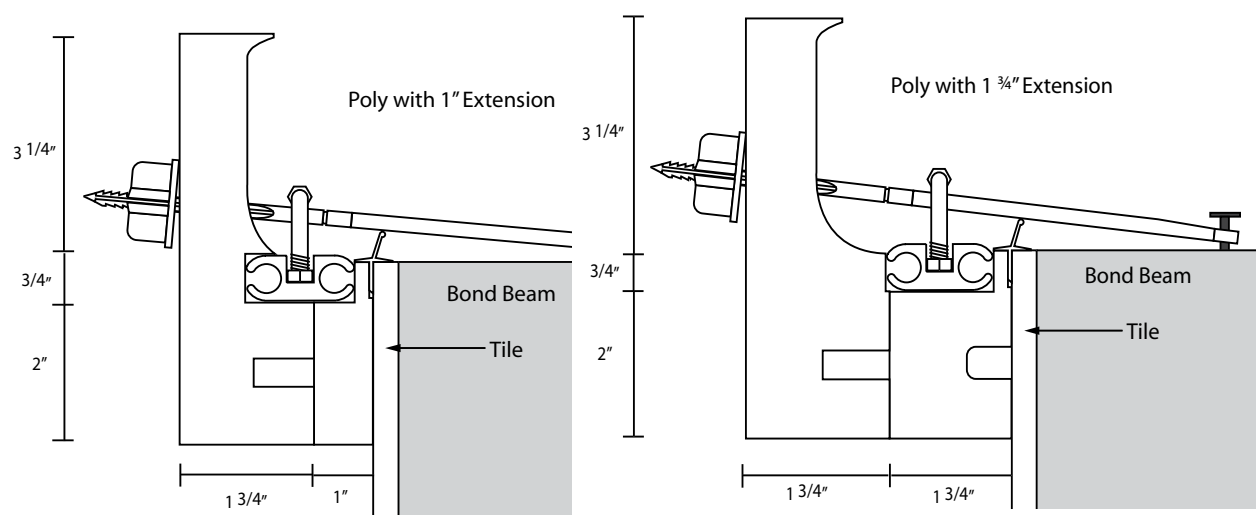
Note: The Pool Cover Track, 1 1/2" Backwash Hose, Curved Bolts, and Nuts are not supplied by Mortex Manufacturing.

The Keystone shape extension is 1 3/4" and the Poly shape extension is either 1 3/4" or 1".

Product Detail	Description
Contents	**Keystone or Poly 1 3/4" Extension** 1 3/4" Extension: 112 ft of both Form Bands & White Cove Strip (34.13 m) 16' of 1 3/4" Extension (4.87 m) 96' of 1 3/4" Routed Extension (29.26 m) **Poly 1" Extension** 16' of Forms Bands (4.87 m); 112' of White Cove Strip (34.13 m) 16' of 1 3/4" Extension (4.87 m); 96' of Routed Poly Form (29.26 m) 96' of 1" Routed Extension (29.26 m)
Ctn Measurements	Packaged in two (2) cartons banded together. Box One: 13" x 13" x 102" (33 cm x 33 cm x 259 cm) Box Two: 8" x 9" x 100" (20 cm x 22.8 cm x 248 cm) Weight 31 lbs (14 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FCK175	Keystone Pool Cover Form - 1 3/4" Ext.
FCP175	Poly Pool Cover Form - 1 3/4" Ext.
FCP1	Poly Pool Cover Form - 1" Ext.

Poly with 1" Extension

3 1/4"

3/4"

Bond Beam

Tile

2"

1 3/4"   1"

Poly with 1 ¾" Extension

3 1/4"

3/4"

Bond Beam

Tile

2"

1 3/4"   1 3/4"

PREPARATION

The tile must be pre-set, straight and level. Set the tile even or above the bond beam, not below. Where the tile is above the bond beam, the tile man should build up cement level with the top of the tile and feather down to the bond beam. It is always advisable to remove ½ Shovel of dirt from behind the back edge of the bond beam approximately every 4 feet, as insurance against any inward movement of the deck. It is also advisable to lightly sand the bond beam to prevent the concrete deck from adhering to the bond beam. Be sure the tile dust is moisture free.

INSTALLATION

1. Remove the tape backing just ahead of attaching the form band.
2. Attach cover pool form extension against the tile with the top edge of the extension even with the top edge of the tile. As the extension is positioned, press firmly in place. Next, attach the Poly Form band against the extension.

   The 1" extension will have the routed flat area of the form band aligned with the routed flat area of the extension (see drawing on previous page).

   The 1¾" extension will have the bottom edge of the cover strip area aligned with the routed flat area of the extension (see drawing on previous page).

3. On 90 degree corners, miter with a sharp knife.
4. Position the cover pool track in the routed space provided.
5. The cove strip is implanted over the top edge of the tile between the tile and the extension.
6. Slide the plastic spear over the top edge of the cove strip at a slight upward angle. Then push the spear through the form band.
7. Drive the concrete nail through the hole in the end of the spear, anchoring the spear to the bond beam.
8. With the spear nailed in place, slide the self-locking button onto the sharp end of the spear and push the button firmly against the form band.
9. Place a spear and button approximately every 14 inches.
10. Mastic or asphaltic cement can be applied behind the cove strip on the bond beam if a water seal is desired.
11. Do not pre-grout the face of the form.
12. When the concrete has solidified to the point where the form can be removed, the button is rotated, severing the spear behind the surface of the concrete then the form band is removed revealing the cantilever edge. The extension can remain in place until the concrete has hardened to the point where the track will stay in place permanently.

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Renovation Forms

Mortex Renovation Forms are an innovative solution to traditional coping replacement.

- The Renovation Form can be placed along the tile to accommodate a desired concrete thickness of 2 1/2".
- Commonly used to replace brick coping.
- Form height is tall enough to accommodate use of the Control Joint.
- Available in a popular Keystone-Like shape

Note: This form shape is NOT compatible with Keystone Form accessories.
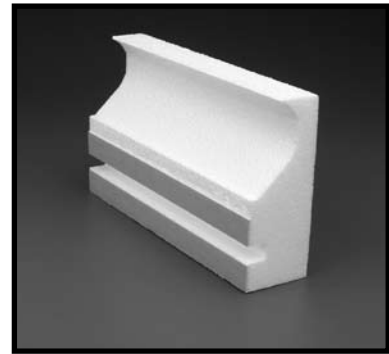
Product Detail	Description
Coverage	112 ft of Form Band and White Cove Strip (34.13 m)
Contents	14 - 8 foot lengths (2.43 m); Spear Pack containing 110 Spear & Buttons, 120 nails and One roll of Filament Tape
Ctn Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	24 lbs (10.9 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Catalog Item #	Description
FRMK	Renovation Form - Keystone w/o Cove Strip (Form Bands Only)
FRMKC	Renovation Form - Keystone with Cove Strip
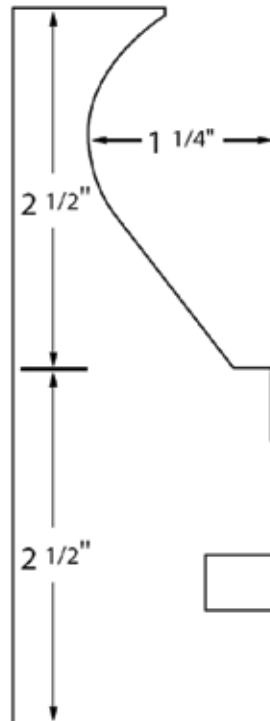
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Step Forms

Mortex's step liner form is a convenient and decorative alternative to traditional forms. The exclusive Mortex angled edge makes smaller form footprint and allows float access closer to corner of the step.

- Varying break points on the form allow for full 4", 6", and 8" high steps
- Angled form bottom allows for float access, not available with wood forming
- While it cushions against concrete, it can be stripped and finished much earlier than traditional forms
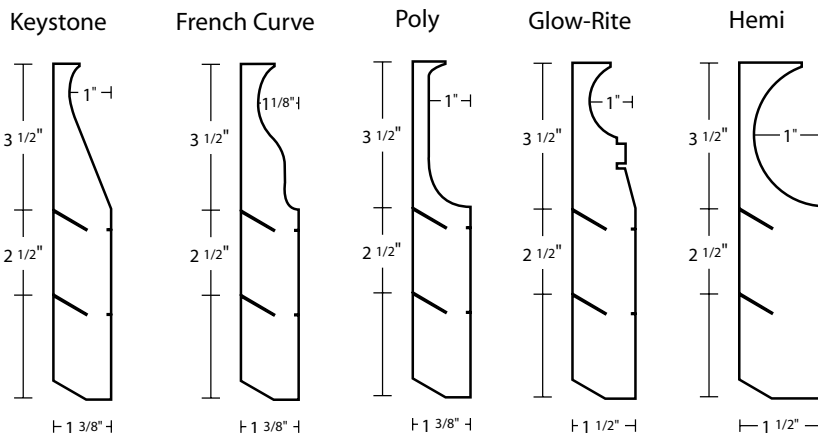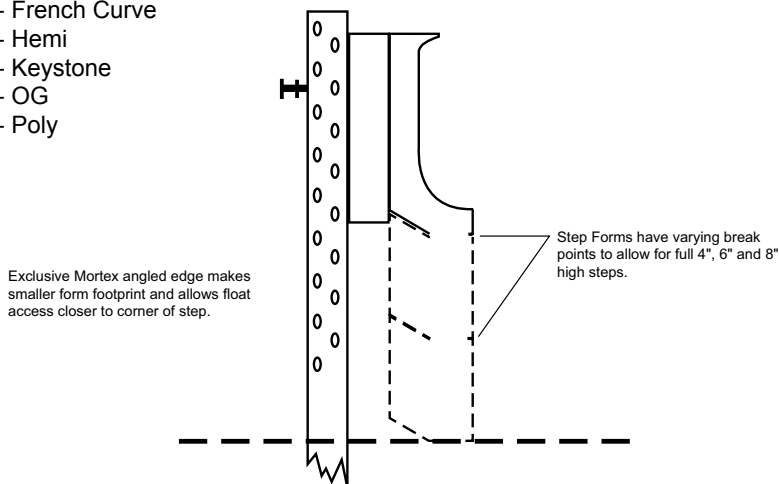- Bender Boards, or wooden forms may be used to set radius steps

Product Detail	Description
Coverage	Keystone, Poly, French Curve, Glow Rite: 40 ft per carton (12.1 m); Hemi: 28 ft per carton (8.5 m)
Contents	Keystone, Poly, French Curve, Glow Rite: 10 - 4 ft lengths; Hemi Step Forms: 7 - 4 ft lengths
Ctn Measurements	13" x 13" x 52" (33 cm x 33 cm x 132.1 cm)
Weight	Keystone, Poly, French Curve, Hemi: 7lbs (3.2 kg); Glow Rite: 11 lbs (5 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
FSFLFC	Step Form Liner - French Curve
FSFLHEMI	Step Form Liner - Hemi
FSFLK	Step Form Liner - Keystone
FSFLOG	Step Form Liner - OG
FSFLP	Step Form Liner - Poly

INSTALLATION INSTRUCTIONS

1. The top of the step form should be placed even with the top of the wood form.
2. Before putting the form in place, cut the form at the break point with a sharp knife for the desired height (see diagram).
3. The 1/2 space between the bottom of the wood and the bottom of the form liner allows for float and trowel access.
4. Place the step form on the inside of the wooden form. Secure with nails or tape.
5. Mortex forms can be stripped and finished much earlier than traditional forms. While the concrete is still fresh, you can use a small section of the form to float and trowel the edge.

Height of the complete form is 8".

Exclusive Mortex angled edge makes smaller form footprint and allows float access closer to corner of step.

Step Forms have varying break points to allow for full 4", 6" and 8" high steps.

Keystone	French Curve	Poly	Glow-Rite	Hemi
3 1/2" / 1" / 2 1/2" / 1 3/8"	3 1/2" / 1 1/8" / 2 1/2" / 1 3/8"	3 1/2" / 1" / 2 1/2" / 1 3/8"	3 1/2" / 1" / 2 1/2" / 1 1/2"	3 1/2" / 1" / 2 1/2" / 1 1/2"

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Cornice Moulding Forms for Wall Tops

Mortex Cornice Moulding Forms are designed for the easiest form application of any disposable wall cap in the industry. Use Cornice Moulding Forms to cast various cantilever styles for concrete caps, block walls, glass block walls, and planters.

- A Wall Tie Kit provides the attachment pieces to securely fasten the forms together.
- Adjustable width of cap is made fast by pre-placed tie holes. Use multiple ties chained together for wider than normal uses.
- No working around cumbersome clamps or other mountings.

Cornice Moulding Forms - Keystone

Product Detail	Description
Contents	112 ft (34.14 m) of Form Strip in 14 - 8 ft (2.43 m) lengths & Attachment package.
Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	Approximate ship weight 24 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Cornice Moulding Forms - Poly

Product Detail	Description
Contents	128 ft (39.01 m) of Form Strip in 16 - 8 ft (2.43 m) lengths & Attachment package.
Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	Approximate ship weight 24 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Cornice Moulding Forms - French Curve

Product Detail	Description
Contents	128 ft (39.01 m) of Form Strip in 16 - 8 ft (2.43 m) lengths & Attachment package.
Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	Approximate ship weight 24 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Cornice Moulding Forms - Commercial

Product Detail	Description
Contents	80 ft (24.39 m) of Form Strip in 10 - 8 ft (2.43 m) lengths & Attachment package.
Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	Approximate ship weight 24 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Cornice Moulding Forms - OG

| Product Detail	Description
Contents	56 ft (17.07 m) of Form Strip in 7 - 8 ft (2.43 m) lengths each & Attachment package.
Measurements	13" x 13" x 102" (33 cm x 33 cm x 259 cm)
Weight	Approximate ship weight 24 lbs (10.9 kg)
Shipping Info	Freight truck, ocean, or air

Wall Tie Kit - for additional ties, dogs and nails.

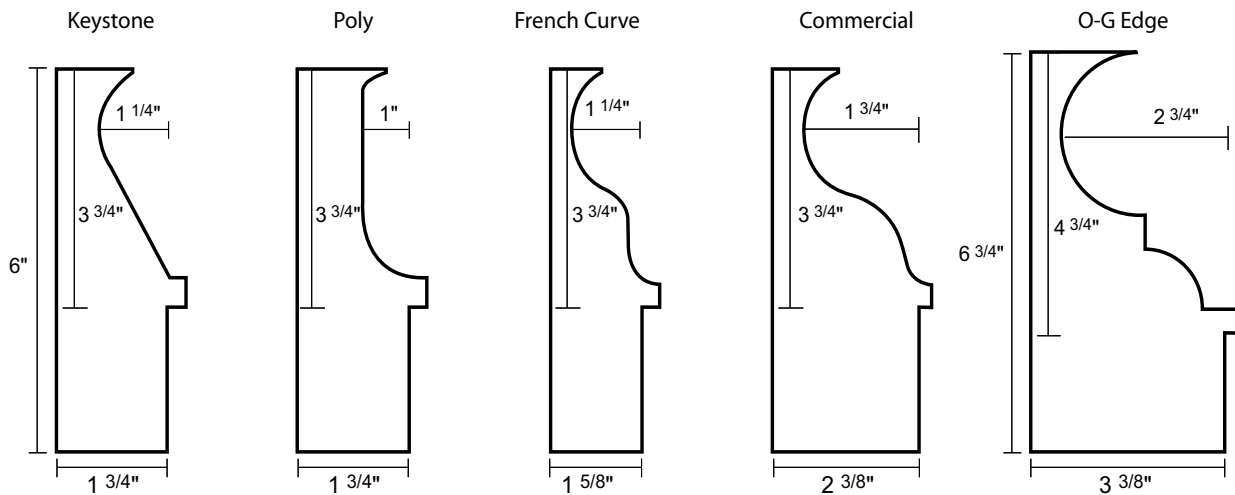| Product Detail	Description
Contents	Box: 100 Ties & Dogs (buttons), 120 nails
Carton Measurements	Varies
Weight	Varies
Shipping Information	UPS, FedEx, Freight Truck, Ocean or Air

Catalog Item #	Description
FMC	Cornice Moulding Form - Commercial
FMFC	Cornice Moulding Form - French Curve
FMK	Cornice Moulding Form - Keystone
FMOG	Cornice Moulding Form - O-G Edge
FMP	Cornice Moulding Form - Poly
FGRWF	Glow-Rite Cornice Moulding Form - Flat
FGRWR	Glow-Rite Cornice Moulding Form - Round
FXWT	Wall Tie Kit

10 ½"
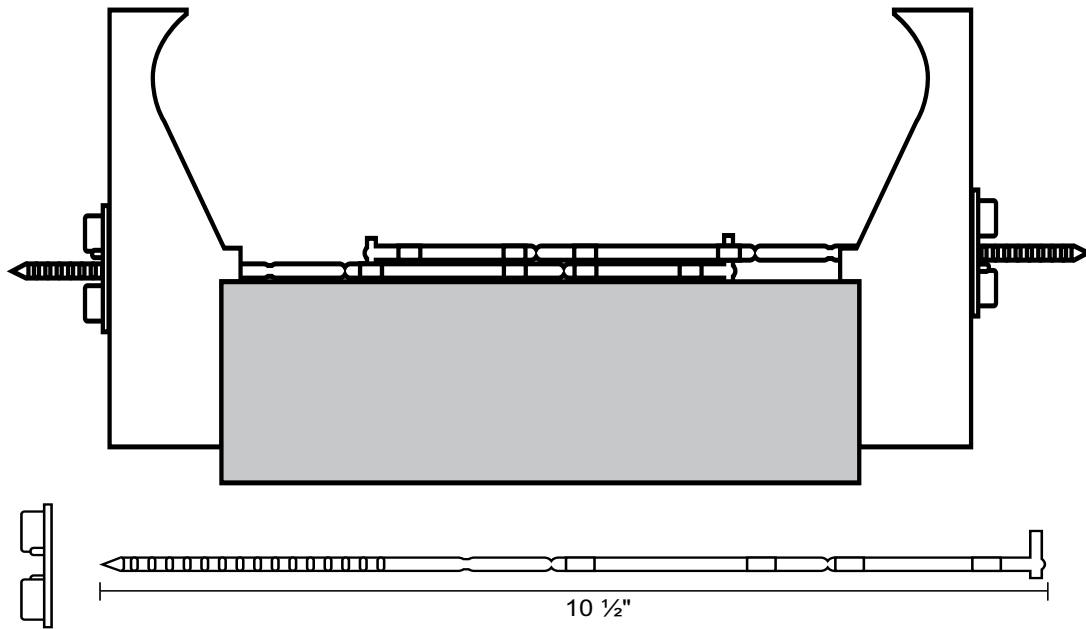
INSTRUCTIONS:
Thread the Wall Ties through the forms and connect in the middle to your desired width. Assemble on the top of the wall with the buttons on the back of the forms.

Keystone	Poly	French Curve	Commercial	O-G Edge

Keystone: 1 1/4", 3 3/4", 6", 1 3/4"

Poly: 1", 3 3/4", 1 3/4"

French Curve: 1 1/4", 3 3/4", 1 5/8"

Commercial: 1 3/4", 3 3/4", 2 3/8"

O-G Edge: 2 3/4", 4 3/4", 6 3/4", 3 3/8"

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Countertop Forms

Now you can have countertops made of one of the most widely used, versatile construction materials: concrete. Not only is concrete capable of taking on any shape imaginable for a countertop, but it can be adapted to complement any decor.
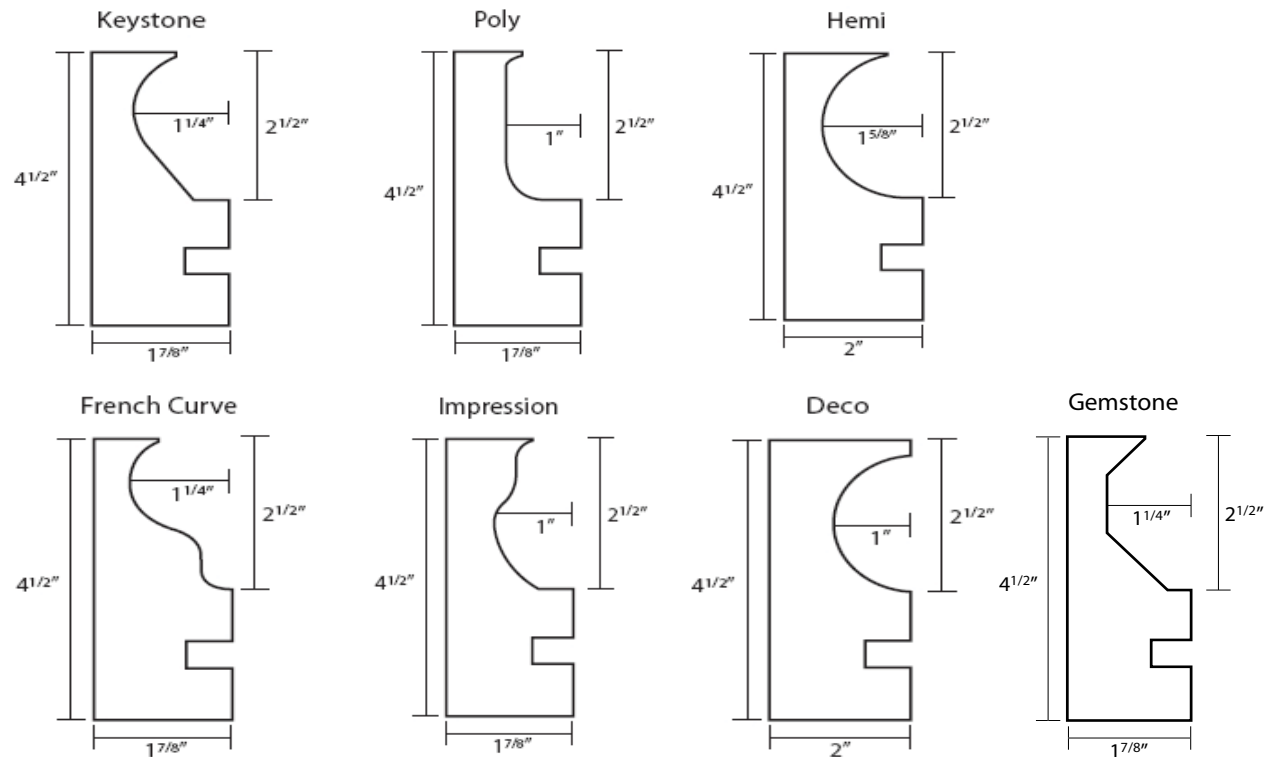
- Feel and longevity of concrete.
- Variety of edge shapes to choose from.
- Limitless versatility.
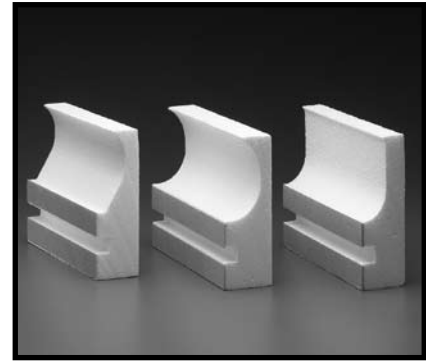
Product Detail	Description
Coverage	44 ft per carton (13.4 m); Exception: Deco 36 ft (13.4 m)
Contents	11 - 4' lengths, 8' sink block, Spears, Buttons, Nails
Carton Measurements	10" x 10" x 52" (25.4 cm x 25.4 cm x 132 cm)
Shipping Weight	7 lbs (3.2 kg)
Shipping Information	UPS, FedEx, Freight Truck, Ocean, or Air

Item #	Description	Item #	Description
FCTFK	Countertop Form - Keystone (44 ft)	FCTFD	Countertop Form - Deco (36 ft) *
FCTFP	Countertop Form - Poly (44 ft)	FCTFGS	Countertop Form - Gemstone (44 ft) *
FCTFH	Countertop Form - Hemi (44 ft)	FCTFI	Countertop Form - Impression (44 ft) *
FCTFF	Countertop Form - French Curve (44 ft) *		*** Special Order: 2-3 week lead time**

Keystone

Poly

Hemi

French Curve

Impression

Deco

Gemstone

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Countertop Instructions

NECESSARY TOOLS
• 3/4" Plywood decking (area of surface)
• Painters masking tape
• 5-Gallon buckets
• 2 mil plastic (area of surface)
• 2" Dry wall screws
• #3 Rebar
• Finishing Trowel

OPTIONAL TOOLS
• Staple gun
• Level
• Sealer

FORMING COUNTER TOPS
1. Install 3/4" plywood decking to the top of cabinets and recess the decking making it flush with the stile of cabinets.
2. Tape cabinet fronts with blue masking tape to prevent form adhesive from pulling finish off cabinets.
3. Apply Styrofoam cantilever forms to front of cabinets. After form is set, level a mark back to wall from the form and snap a chalk line to work to for elevation.
4. Mark out necessary areas for sinks, cook tops, etc. on plywood deck.
5. Apply 2 mil plastic, covering the top of the plywood deck to prevent leakage, extending the edges of the plastic up on the cantilever form about 1 inch.
6. Using a staple gun, staple the plastic down to the plywood deck, periodically keeping the plastic tight.
7. Tape edges of plastic at cantilever forms, to the form using masking tape.
8. Install 2" drywall screws at edges of counter tops, approximately 8" apart for steel rebar, then screw them in approx. 3/4 inch.
9. Form out sink cutouts using 2 1/2" Styrofoam taping it to plywood deck using double face tape. If faucets are deck mounted, position PVC pipe of desired diameter, hold in place by drilling a hole in ply wood of same diameter as PVC pipe.
10. Cover walls using 2 mil plastic lapping it down over plastic on plywood deck and tape seams together. Protect floors to prevent scratching.
11. Using #3 rebar, cut desired lengths and wire them to the drywall screws, lifting them approx. 1" off plywood deck.
12. Cut 6" x 6" x 10" x 10" wire mesh and install on counter top surface area.

POURING COUNTER TOP
1. Using a cement mixer, dump in five (5) five gallon buckets of rock and sand to one bag of cement. (each bucket is 42 lbs. of concrete sand and 25 lbs. of 3/8" minus pea gravel for a total weight of 67 lbs. per five gallon bucket). Apply water and desired color and 32 oz. of antihydro (if an accelerant needed) to mix and bring to correct consistency, preferably on the dry side. This mix equals one batch. You will get approx. 16 sq. ft of counter top 2 1/2" thick per batch.
2. Dump mix into wheel barrow from mixer and bring into area to be used. Shovel material onto the counter tops.
3. As you fill counter tops, lift wire mesh approx. 1" off of plywood deck and vibrate Styrofoam forms using a tapping motion with hammer.
4. After counter tops have been filled, using a level, screed off concrete to a perfectly flat surface.
5. After screeding is complete, float surface using a magnesium float getting surface as flat as possible.
6. Edge cantilever form using a 1/2" radius edger.
7. With left over material, add more water to it and sift through window screen saving it to be used in a later process.

8. Continue to work concrete surface to get it set up.
9. At this time, the construction joints are put in at the needed areas, such as the sink corners, cook top corners, and any other 90 degree break or stress point in the counter top.
10. After concrete has set up enough, the cantilever form must be pulled. Be careful not to strip form too early. Be extra careful of area between sink form and outside form, as this area is generally only 2" to 2 1/2"wide.
11. Taking the "slurry" mixture that was screened out earlier, apply small amounts over entire surface and edges of counter tops to a very thin coaling. This will enable a very fine finish to the counter top surface.
12. As surface sets up, you continue to trowel the surface until you reach the desired finish.
13. After all finishing is done and counter tops are complete, cleanup is necessary using a sponge and bucket of water cleaning off cabinet faces and other areas that need cleaning. After 3 or 4 days, cut out sink areas and set them.

SEALERS
There are several sealers on the market that are safe to use on counter top surfaces. One that we have had success with is called Glaze & Seal. You can find it at tile supply stores. First lightly sand counter tops with a fine grade sand paper and wipe clean with a soft cloth. Apply 2 coats using a paint brush, saturate thoroughly wiping up any excess. Let it dry between coats. After the second coat is applied, let it dry for 24 hours, then apply two coats of paste wax, buffing between each coat. Reapply paste wax every 6 to 8 months as needed.

Notes: Due to the nature of colored concrete, some mottling may occur and counter tops may not be all one uniform color. In our opinion, we feel that this adds to the uniqueness of the finish.
Other options available are recessed sinks, recessed cutting boards, and inlaid tile or other material to the surface. Also white cement may be used in the place of gray cement to optain a more true color.