

Kool Deck®

Contractor Brochure



Be Sure It's the Original

Keystone Kool Deck® concrete topping was invented by Mortex in 1962. It is a beautiful surface for swimming pool decks, walkways, patios and 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.**
- **Withstands thermal expansion and contraction better than concrete.**
- **Requires minimal cleaning. Just rinse with water. When necessary, scrub with soap and water to keep the surface looking great.**
- **Proprietary mixture of natural substances and synthetic iron oxide pigments.**
- **Environmentally safe.**
- **Unaffected by normal pool chemicals**

Designer Color COLLECTION™

Colorful Alternatives

Designer Colors are an extension of the Keystone Kool Deck color line. Made of the same durable formula as Mortex's classic Kool Deck topping, the Designer Color Collection provides additional colors and a beautiful nonskid surface at the same low cost of the classic Keystone 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.

Coverage
A properly mixed unit should cover a minimum of 300 ft ² (28 m ²).
Contents
Kool Deck: One carton contains 8 individual units. Designer Colors: One carton contains 6 individual units.
Measurements
Box measures 16" x 16" x 11" (41 cm x 41 cm x 28 cm)
Weight
Total approximate box weight 36 lbs. (16.3 kg)
Shipping Info
UPS, FedEx, freight truck, ocean or air

Instructions for Keystone Kool Deck® Application

Necessary Tools

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

Optional Tools

- Mortex Viscosity Cup
- Mortex Ad-TEX Sprayer
- Mortex Pattern Blade

Coverage

Coverage: 300 ft² minimum (30m²) per unit. 8 units per carton.

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.

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.

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 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 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.
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)

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.

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 in a whitish film on the deck surface.

Patching the Keystone Kool Deck Surface

Mortex produces a pre-mix repair kit for your convenience. Coverage is approximately 6 sq. ft (.557 m²). Keystone Kool Deck Repair Kits can be ordered from your local distributor or call Mortex Corporate Headquarters.

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) Heavier 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 light 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.

Contact Mortex Corporate Headquarters or www.mortex.com for further care and cleaning information.

Six Reasons Why Kool Deck® Concrete Topping is Still The Best

- 1. Comfort** - Even during the hottest summer days, you can walk, sit, sunbathe or play on your Keystone Kool Deck surface. It's more comfortable because it stays cooler than plain concrete or other decking surfaces.
- 2. Durability** - The Kool Deck concrete topping is specifically formulated to be far stronger, more durable, and more stain-resistant than other surfaces. It will stand up against even the roughest, most demanding environments such as 100°+ days to freezing nights.
- 3. Safety** - A Kool Deck topping creates a non-skid, textured surface that is designed to help reduce the risk of accidents, even when wet, to give you peace of mind.
- 4. Beauty** - A Keystone Kool Deck surface is a beautiful addition to your pool, walkway, patio or entire landscape package. The rich, consistent color and texture make it much more attractive than plain concrete. Its beauty compliments the natural environment and other landscaping techniques.
- 5. Cost** - This is the best - even with its far superior quality, a Kool Deck surface is less expensive than other deck surfacing products. The quality of a Keystone Kool Deck surface adds distinction and lasting value to your property.
- 6. Variety** - Keystone Kool Deck toppings offer you a striking choice of luxurious, pastel colors...one which is perfect for the environment you want to create.

Keystone Kool Deck® Colors



Sedona Tan



Adobe Buff



Aztec Gold



Sand Buff



Rose Pink



Coral Peach



Aqua



Birch Grey

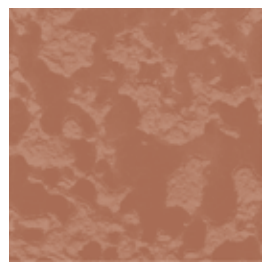
Designer Color Collection™ Colors



Mauve



T5



Terra Cotta

All colors shown are approximate

Designer Colors are darker and therefore warmer than standard Kool Deck colors.

Mortex Manufacturing Co., Inc.
1818 W. Price Street
Tucson, AZ 85705-2217
USA

Toll-Free: 800.338.3225
Phone: 520.887.2631
Fax: 520.293.8884

www.mortex.com



Since 1962, Mortex™ has been the contractor's choice for innovative and superior quality products. Mortex revolutionized the swimming pool industry with the introduction of our Keystone Kool Deck product, that literally changed the face of swimming pool decks forever. Since then, Mortex has continued to set the industry standards for product innovation, quality and customer service.

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