

PTA Concrete Renovation

PTA® is a revolutionary systematic method for the remodeling and renovation of concrete. It is the Mortex™ recommended system for applying Keystone Kool Deck® topping or Marquee® topping to existing concrete. The following are instructions for using PTA using the 4 C's of Concrete Renovation ...**Clean, Coat, Cover, and Cure.**

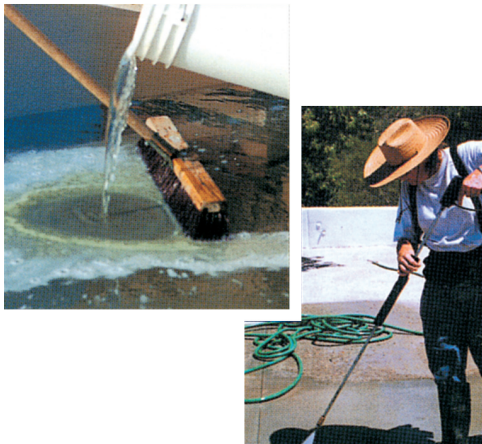
1 Clean & Prepare Concrete

Deck Preparation

A clean, sound concrete surface is required. Oil and grease stains must be removed. You must remove all loose and deteriorated concrete, plastic coatings, paints, adhesives and polymer toppings.

Note: When evaluating the amount of deck preparation work necessary, and the question comes up of weather or not you have done enough the answer is the More you do, the better the job.

Mask exposed aluminum surfaces and all areas you wish to protect from over-splash.



Acid Wash

All decks (even new) must be acid washed with a strong solution of muriatic acid to etch the surface.

Acid Solution: 1 part acid to 1 part water for older concrete. 1 part acid to 4 parts water for newer concrete.

Wet the surface thoroughly with water. Never put acid on dry concrete. Brush acid solution on surface - it should boil vigorously. If it doesn't, there is something on the concrete that must be removed.

Note: Acid destroys cement. Therefore, never let any portion of the deck dry with acid on it. Do Not use anything to "neutralize" the acid. Most importantly, cement residue caused by acid washing must be thoroughly removed by either rinsing the surface with water while scrubbing with a wire brush or rinsing with a high pressure washer (1500 psi or greater).

Repairs

Minor repairs, such as damaged edges and/or depressions and holes, should be made just ahead of surface application. Make sure the repair area is damp but without standing water. Brush PTA only into the area to be repaired. Using a rubber float as an applicator, pack holes and depressions with the topping mixture in a thick enough consistency to avoid craze cracking.

Note: Major repairs of structural damage or cracks should be repaired well in advance of the day of topping application.



Wet Surface

Thoroughly saturate the base concrete with water. The more saturated the base concrete, the better the topping will cure. Keep the entire surface wet for a period of at least one (1) hour prior to placing topping. If the base dries unevenly, the coating will set unevenly.

2 Coat Concrete with PTA



Apply PTA

Mix PTA® as per instructions and pour onto the thoroughly damp, not wet concrete. Use a stiff bristled nylon floor broom to scour PTA into the surface. Pay special attention to blemishes and joints. Coat an area thoroughly but do not out distance splasher. PTA should never be allowed to dry. Brush excess PTA, especially from joints and blemishes, to the next area to be coated and repeat the process.

Note: Consistency of PTA when mixed should be that of thin milk. A coating of PTA thicker than a few mils actually makes for a weaker bond than a thin coat.

3 Cover with Keystone Kool Deck or Marquee

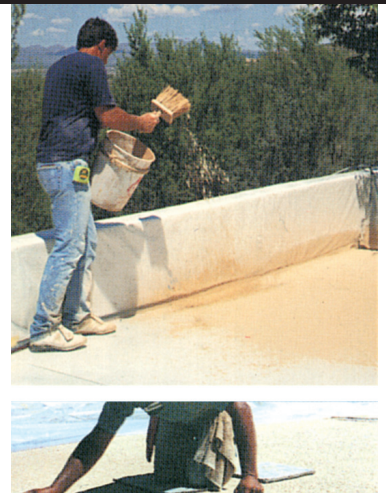
Splashing and Troweling

Splash or spray Mortex® Keystone Kool Deck® or Marquee® toppings directly on the PTA while it is wet. DO NOT allow PTA to dry before applying the topping.

Note: Never allow PTA to dry before the topping is applied, use a small amount of PTA by brushing it across the surface to keep the area wet.

Existing concrete applications dry quicker and at times more unevenly than fresh concrete. It is therefore essential to set a pattern as soon as possible. All areas should receive an equal amount of troweling.

Note: Areas that do not get troweled on the final pass usually end up lighter in color.



4 Cure with Plastic



Covering for Curing

Immediately after troweling, cover area with visqueen (2mil clear). Weight the plastic down with sand so air cannot circulate under the plastic and dry out the deck. Leave covered for **exactly 2 days**, do not leave covered for more than two days.

Remove Plastic

After two days remove plastic. The deck will exhibit white growths on the surface, wash the surface immediately with clean water using a stiff nylon bristle brush to prevent discoloration of the surface.

Note: The deck should be washed frequently during the first 6 weeks.



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