

# STEP 1

## Application Instructions High Solids Garage Floor Kit *Epoxy Base*

Prior to use store the product in an area so as to bring the material to a normal room temperature. Continuous storage should be between 60 and 90 degree F. Low temperatures or great temperature fluctuations may cause crystallization. Coatings may cause surface to become slippery under certain conditions. If you require additional slip resistance a non skid additive may be required. Consult with your representative for details. Keep out of the reach of children. Refer to Product label and MSDS for additional safety precautions.

### Surface Preparation

#### Perform a Moisture Test:

A test should be made to determine that the concrete has an appropriate vapor barrier. This can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause disbonding.

#### Clean the Floor

All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate.

#### Prepare the Surface

Grind, shot blast or acid etch the surface.

**NOTE: Ensure floor is rinsed properly and dry before applying epoxy.**

### Application

#### Mix Product

Prior to mixing make sure the mixing pail is clean and free of any debris. Mix and transfer 1 gallon container of Part A and ½ gallon container of Part B into the provided mixing pail. Mix well with the mixing equipment provided with the kit, making sure to scrape the sides and bottom of the mixing pail thoroughly. Any unmixed liquids will not cure properly. Do not use partial kits.

#### Apply Product

Maintain temperatures within 60-90 degrees F with relative humidity below 85% during the application and curing process. Pour a ribbon of mixed epoxy onto the prepared surface. Roll coating out with a ¼" nap roller. Use the provided brushes to cut in around the edges – areas that your roller will not reach. A 1 ½ gallon kit is enough material to coat approximately 300 sq. ft. As you roll out the mixed material, broadcast chips into the wet epoxy. To do this, spread the chips by tossing them slightly up into the air and allowing them to settle into wet epoxy as you progress. Do not roll over the top of the paint chips once they are on the floor. Estimate the chips to use to make sure they are evenly spaced to prevent running out of chips before the end of the coated floor.

***This Material has a Usable Pot Life of about 35 Minutes.***

#### Allow epoxy to dry.

At 70 degrees F, the floor should be ready for light foot traffic within 12-16 hours. For heavier traffic allow the floor to fully cure, 2-7 days.

***Recommended: You may want to apply a clear topcoat to your epoxy floor. Please consult with your representative for available options.***

# STEP 2

## Application Instructions High Solids Garage Floor Kit *Urethane Topcoat*

Prior to use store the product in an area so as to bring the material to a normal room temperature. Continuous storage should be between 60 and 90 degree F. Coatings may cause surface to become slippery under certain conditions. Keep out of the reach of children. Refer to Product label and MSDS for additional safety precautions.

### Surface Preparation

#### Preparing the High Solids coating for the topcoat application:

After the high build coating has cured and is tack free, and within 48 hours after it has been applied, use a rotary cleaner utilizing a 3M white pad to de-gloss the surface and remove any protruding paint chips. After the protruding chips are displaced, sweep or blow off any loose paint chips and dust prior to starting the topcoat procedure.

**NOTE: Ensure the relative humidity is above 25% before coating.**

### Application

#### Mix Product

Prior to mixing make sure the mixing pail is clean and free of any debris. The part A should be mixed with the part B thoroughly. Part C (Aggregate) is optional, if a non-slip/semi-gloss surface is desired add the Part C into the mixed liquids. The kits come prepackaged and should be used in their entirety and should not be broken down. After the components are combined, mix extremely well with slow speed mixing equipment provided with the kit until the material is thoroughly mixed and streak free. Avoid whipping air into the coating. Any unmixed liquids will not cure properly. Once the material is opened, it cannot be re-sealed for later use.

#### Apply Product

For best results, maintain temperatures within 60-90 degrees F with relative humidity between 50% and 90% during the application and curing process. Pour the mixed material into the application tray. Apply at the rate of 600 square feet per gallon in a uniform manner with a 3/8" nap roller. For uniform appearance, it is critical that the material is not applied thicker than this application rate. Dip the roller in the coating and roll out excess material in the roller tray prior to the actual application to the substrate. Overlap subsequent passes being sure no excess material is applied when overlapping. Make sure the floor has just enough material to cover evenly in a thin application. Finally, re-roll the area in the opposite direction of the first pass applications to level and even the application. The final re-rolling for the entire floor should be in the same direction. Remix the material in the application tray to maintain a uniform mix throughout the application process. If the appearance is not satisfactory, re-roll until the area is uniform in appearance. It is almost impossible to over-roll this material. The last step in the application process (wearing spiked shoes) is to pull the roller tool across the entire slab in one direction without applying any pressure and repeating this process by overlapping until the entire slab has been re-rolled. This will help blend in any roller and overlap marks. It is best to maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marking during application. Too thick of an application may result in solvent entrapment and product failure. The Surface must be dry before the application of this product.

***This Material has a Usable Pot Life of about 1 Hour.***

#### Allow topcoat to dry.

At 70 degrees F, the floor should be ready for light foot traffic within 14-24 hours. For heavier traffic allow the floor to fully cure, 3-5 days.