



Application Instructions *Armor Plate Premium Kit*

For Information
Call: 800-424-8914

Store product in an area so as to bring the material to normal room temperature before using. 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.

Topcoat Application

Unlike other products, this product is single component. (No mixing required.) Maintain temperatures within 60-90 degrees F with relative humidity below 85% during the application and curing process. Pour a ribbon of urethane onto the chipped surface, roll coating out with a ¼" nap roller. Use the provided brushes to cut in around edges and areas your roller will not reach. A ½ gallon of urethane will coat 250-300 sq. ft. Non-skid grit is included in your kit and should be applied at this time and back rolled into wet urethane for an even, consistent gritted surface. Additional coats may be required if a smooth surface is desired. Do not add grit if a smooth surface is desired. The chips will leave a small amount of texture.