

# Application Instructions

## MLCWB Water Base Garage Floor Kit

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. Keep from freezing. 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.**

### Primer Application:

#### **Important Note:**

Our water base epoxy is used as the primer coat and the base coat.

#### **Mix Primer:**

Prior to mixing make sure the mixing pail is clean and free of any debris. Mix and transfer 1 gallon of Part A and 1 quart bottle Part B in 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 Primer.**

Maintain temperatures within 55-90 degrees F with relative humidity below 75% during the application and curing process. Use the paint brush to cut in around the edges- areas your roller will not reach. Roll coating onto floor with the provided 3/8" nap roller. The mixed material will coat approximately 250-300 sq. ft. per gallon.

***This material has a pot life of 1 hour.*** When the end of the pot life has been reached, you will find that the material becomes hard to apply and will actually tend to roll back up onto the roller. Do not try to continue application when the coating has reached this step.

#### **Allow epoxy to dry.**

When applied at 70° F. this material will be ready for recoat in approximately 7-10 hours. It is best to test the coating before recoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating or top coating can commence.

### Basecoat Application:

#### **Mix Basecoat:**

Mix and transfer the remaining 1 gallon of Part A and 1 quart bottle of Part B in the 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 Basecoat:**

Follow same instructions as applying primer but with this step as you roll material onto floor you will begin the process of broadcasting 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 the wet epoxy. Do not roll over 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. Use a broom to knock down flakes after epoxy has dried.

### Topcoat Application:

#### **Mix Topcoat:**

Mix and transfer the included urethane topcoat into the 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. See provided topcoat instructions for more details.

#### **Apply Topcoat:**

Apply urethane top coat following separate directions included with the kit.

#### **Allow epoxy and Urethane to dry.**

At 70 degrees F, the floor should be ready for light foot traffic within 16-24 hours. For heavier traffic allow the floor to fully cure, 2-7 days.