



Delta Polymers, Inc. – 130 South 2nd St. – Bay Shore, NY 11706 – (631) 254-6240 – (631) 595-2537 (fax)

PolyGrip 1005 - Application Instructions

PolyGrip 1005

A two-component aliphatic, polyester modified polyurethane, which is highly chemical and abrasion resistant. It is also highly UV stable. Clear and Custom made colors are available. Apply at the rate of 200-300 sq. ft. per gallon. Mix two parts Base to one part Hardener by Volume. Mix thoroughly. This has a working time or pot life of 2 hours. Material is Flammable and VOC compliant. **Keep it away from children. Use proper ventilation and wear proper mask for Hazardous Fumes.** See MSDS for all Safety Precautions

SURFACE PREPARATION - CONCRETE

Concrete should be structurally sound, free of dust, dirt, loose paint. Concrete should be shot blasted, or scarified for the best result.

New concrete can be acid etched with a 25% Muriatic acid followed by a three time cleaning with fresh water. Wait for the floor to dry before you apply the Liquid Epoxy.

All hair-line cracks, holes, broken surfaces should be repaired and patched with Epoxy Compound (**Gel Patch 5000**). All the patches should be dry and sanded before you apply the polyurethane.

SURFACE PREPARATION - WOOD

Wood should be strong. There can be no flex in the floor. Put enough screws into floor (every linear foot should be screwed down). Patch all the seams with Epoxy Compound. Preferably use Fiberglass tape (4" width) on all the seams. That will make the seams strong and help prevent cracking at the seams. Put the epoxy gel on the seams with putty spatula. Lay down the fiberglass. Press it down. Apply Epoxy Compound on the top and feather it out with the spatula. Let it cure. Sand it. Clean it and apply the polyurethane.

MIXING RATIO

For your convenience the Mixing ratio is **2 Parts Base : 1 Part Hardener** by volume.

1. Use a drill with jiffy mixer at slow speed (200 RPM). Mix thoroughly scraping sides and bottom.
2. Or Mix by hand with a mixing paint stick or spatula. Mix thoroughly scraping sides and bottom.

The time to mix with drill or by hand should not be more than 3 Minutes.

Mix only enough material that you can handle.

1½ Gallon Kit (one gallon Base : ½ gallon Hardener). Coverage approximately 200-300 sq. ft. per gallon

Immediately pour it on the floor against the farthest wall from the door or exit, in the form of long lines. Spread the epoxy with a roller or squeegee at the rate of 100 sq. ft. per gallon. **PolyGrip 1005** has self-leveling characteristics. You will see that in few minutes, the roller marks or squeegee lines will self-level and you will see a smooth surface.

If the areas are big, we recommend that you use golf shoes with spikes so that you can walk into the wet floor. Be very careful. Wet polyurethane is very **SLIPPERY** and you should not fall into the wet epoxy. These floors should be applied or installed by professionals who have the experience.