

# POLAFLOOR EPOXY TOPPING™

## High Strength Floor Coating



Performance  
Coatings & Sealants  
Systems

### DESCRIPTION

POLAFLOOR EPOXY TOPPING is a high strength floor topping used to provide extreme resistance to wear, impact and chemical attack. It may be used to patch holes or cover and level process areas in chemical plants, machine shops, plating works, breweries, and other areas requiring high durability and low maintenance. POLAFLOOR EPOXY TOPPING produces a uniform, slightly granular appearance and texture that is offered in a limited range of colors.

### OUTSTANDING FEATURES

- ✓ Fast setting; rapid strength build
- ✓ Can be used in confined areas
- ✓ Accommodates vehicular traffic and heavy industrial use
- ✓ Reduces downtime of floor areas
- ✓ Eliminates the need for complex measuring and mixing procedures
- ✓ Supplied with a pre-weighed pack of aggregates

### APPLICATION

Caution! Read this entire data sheet before continuing.

The surface to be coated must be clean, dry and sound. If the strength of the concrete is in

doubt, perform pull-off tests to assess the suitability for the intended use. Remove all traces of oil, grease, dust, laitance or other contamination with suitable cleaning agents and/or by mechanical grit-blasting, scabbling or grinding. Concrete may need acid treatment, particularly if dense or new. Thoroughly flush with clean water; do not allow evaporation of acid or dirty water to re-contaminate the surface.

Add Part 'B' of the Epoxy Primer to Part 'A' and stir until contents are thoroughly mixed. Apply all of the mixed primer by brush or fibrous roller within 15 minutes of mixing. Do not allow the Epoxy Primer to pool or cure before applying the Epoxy Topping. The Epoxy Topping is best laid while the Epoxy Primer

is tacky, normally between 15 minutes and 2 hours of application.

Using a cretriangle or mixal type mixer, load the mixer with the entire contents of the Epoxy Topping Aggregate Pack. Add Part 'B' of the Epoxy Topping to Part 'A' and stir until contents are thoroughly blended. Pour this mixture into the running mixer. Use a spatula to "strip out" any remaining resin. Mix until all components are uniformly blended, at least 2 minutes. The mix must be laid before cure commences (approximately 20 minutes at 70°F).

Rake out the mixed POLAFLOOR EPOXY TOPPING to a uniform, uncompressed depth of approximately twice the

SPECIFICATIONS	
<b>Coating Type</b>	Epoxy overlay system and repair package
<b>VOC</b>	Zero gms/liter
<b>Pot Life</b>	Primer—15 minutes @ 70°F Topcoat—20 minutes @ 70°F
<b>Shelf Life</b>	12 months
<b>Recommended Thickness</b>	200 mils dry film thickness
<b>Coverage</b>	1 unit covers 30 square feet
<b>Packaging</b>	60 pound, all inclusive kit including primer, topcoat and mixing container
<b>Color</b>	Concrete Gray and other interesting colors

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required finished thickness (i.e., for 200 mils, rake to 400 mils). Compact by heavy pressure with a steel trowel. Finish off with light, angled troweled movements to remove trowel marks, indentations, etc. It is usually not necessary nor desirable to use solvent during application.

POLAFLOOR EPOXY TOPPING may be readily formed to provide coving, skirting or steps. It will trowel to vertical surfaces of any height provided sufficient 'key' is first obtained by surface roughness and timing of the application of the Epoxy Primer. Difficult odd shapes and deep holes can be coated or filled by incorporating 'K' Additive into the mix at the resin plus hardener stage.

In areas exposed to weathering, heavy chemical attack, wet operations or where extreme cleanliness is required, seal POLAFLOOR EPOXY TOPPING with Polafloor PD or Clearcoat 44. Remember that a gloss finish will reveal imperfections. If a traction improving finish is required, grit particles may be incorporated into the seal coat. Tools may be cleaned with xylene before cure takes place.

### PRECAUTIONS

Standard safety equipment, such as goggles, full coveralls and gloves, should be worn

when handling this product. Skin contact may cause dermatitis in sensitive persons. In case of contact with skin, clean with resin remover or soap and water. In case of eye contact, flush with clear water for 15 minutes and seek immediate medical attention. Do not ingest. In case of ingestion, do NOT induce vomiting and seek immediate medical attention.

### LIMITATIONS

Must be sealed when used in conditions of permanent weather exposure or immersion. Will not adhere to wet or soiled substrates. Do not use below 50°F.

### TECHNICAL DATA

<b>Compressive Strength</b>	12,000 psi (28 days cure)
<b>Flexural Strength</b>	3,000 psi (28 days cure)
<b>Tensile Strength</b>	1,750 psi (28 days cure)
<b>Thickness Range</b>	80 mils to 1½ inches
<b>Cure Time—Initial Set</b>	12 hours @ 60°F
<b>Cure Time—Full Set</b>	3 days @ 60°
<b>Working Time</b>	40 minutes @ 60°F
<b>Colors</b>	Gray, Blue, Green, Black, or various Tweeds

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