



Plexicoat MMA Primer

Primer for MMA Systems

Product Data

Description

Plexicoat MMA Primer is a Methyl-Methacrylate primer for use within the Plexicoat Floor System. Plexicoat MMA Primer is a solvent free, 2-component, 100% reactive, medium viscosity primer. Plexicoat MMA Primer has superior adhesion to concrete and is ideal as a primer or sealer for porous concrete surfaces. Plexicoat MMA Primer should completely seal the concrete surface resulting in a uniform satin finish. Plexicoat MMA Bond Promoter can be utilized with the Plexicoat MMA Primer as suitable primer for metal and tile substrate applications.

Yield

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Typically, a batch of Plexicoat MMA Primer will achieve a coverage rate of 100 square feet. See mixing chart.

Packaging

MMA4010/05 4.5 gallon pail
MMA4010/55 49 gallon drum

Color

Clear, slightly turbid

Shelf Life

One year when properly stored

Features

- Fully cures in one hour
- Great adhesion to concrete
- Can be applied at -20°F (-29°C)
- Primer for concrete, wood and tile applications
- Can be used as one coat sealer over concrete

Benefits

- Reduction in downtime and rapid return to service
- Ideal for porous concrete surfaces
- Suitable for incidental food contact (R2)
- Can perform installations in cold temperatures
- Metal Primer Formulation Available

Where to Use

Used as a primer within the following Plexicoat Flooring Systems:

- All Plexicoat MMA Systems
- Use Plexicoat Metal Primer ST over metal needing rust inhibitive and corrosion inhibitive properties

Please refer to the Plexicoat Installation Guide or individual Plexicoat Systems data sheets for application instructions.

Every Plexicoat Flooring Systems is a multiple component system that utilizes a methyl methacrylate (MMA) resin. It is critical that the instructions listed in the Material Safety Data Sheet and on the product label for every component of the system be read, understood and followed. MMA resins are flammable liquids in their uncured state.

Smoking, open flames or sparks should not be permitted during the handling of the product.

Explosion safe ventilation must be used during the application to minimize vapor collection in the installation area and to improve overall air quality for the crew. All foodstuffs must be removed during installation of the flooring system.

Physical Data

Color	Clear, slightly turbid
Components	One plus Plexicoat MMA Powder Hardener
Recommended Thickness	10 – 12 mils
Coats	One
VOC	None

Application Data

Applied over	concrete, wood and tile
Primer	self priming
Method	Brush, roll or squeegee
Pot Life	7 – 15 minutes
Min Recoat	30 – 60 minutes
Max Recoat	none
Cure Time	60 minutes (full cure)
Temperature	-20°F – 104°F See mixing chart
Clean Up	Plexicoat MMA Prep Cleaner

Typical Properties after 60 minutes

Percentage of Reative Resin	100%
Water Absorbtion (%24 hours) (ASTM D570)	<0.1%
Tensile Strength (ASTM D638)	4,250 psi
Elongation @ Break (ASTM D638)	3%
Hardness (Shore D) (ASTM D2240)	83
Viscosity (ASTM D2392)	220-300 cps

Bond Test

A bond test should be conducted to determine the adequacy of the surface preparation and the bond to substrate before proceeding with the application of the primer to the entire area. The bond of the primer to the substrate should be greater than the tensile strength of the substrate itself (adhesive bond of Plexicoat System to concrete should be stronger than cohesive bond of concrete itself); therefore, there should be fractured aggregate along the entire patty. If only a fine laitance or small amount of concrete is attached, additional mechanical preparation is required. The exact procedure for performing the bond test can be found in the sheet titled "The Bond Test," provided by Seamless Flooring Consultants, LLC.

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