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PlexiDeck MMA Topcoat

Topcoat for MMA Systems

Product Data

Description

PlexiDeck MMA Topcoat is a methyl methacrylate topcoat resin for use within the PlexiDeck MMA Floor Systems. PlexiDeck MMA Topcoat is a solvent free, 2-component, 100% reactive resin that is ideal for roller applied coatings and decorative flake or quartz flooring systems. PlexiDeck MMA Topcoat has superior UV resistance, making it an excellent resin for use in exterior or interior applications resulting in a durable, non chalking surface.

Yield

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Typically, a gallon of PlexiDeck MMA Topcoat will achieve a coverage rate of 100-135 square feet.

Packaging

4.5 gallon pail
53 gallon drum

Color

Bluish, slightly turbid

Shelf Life

One year when properly stored

Features

- Fully cures in one hour
- Transparent and Pigmented Finish
- Superior Chemical Resistance
- Great Abrasion Resistance
- Can be applied at -20°F

Benefits

- Reduction in downtime and rapid return to service
- Ideal as a topcoat for decorative floor systems
- Can withstand exposure to harsh chemicals
- Durable surface that will not ravel or chalk
- UV Resistant
- Suitable for incidental food contact (R2)
- Can perform installations in cold temperatures
- An Industrial strength methyl methacrylate resin for decorative floor coatings

Where to Use

Used as a Topcoat within the following Plexicoat America Flooring Systems:

- Color Flake, Color Quartz and Pigmented PlexiDeck MMA Systems
- Self Leveling Systems and Roll Coat Systems

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

Every Plexicoat America 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 with bluish tint
Components	Resin plus PlexiDeck MMA Powder Hardener
Recommended Thickness	10 – 12 mils per coat
Coats	One or two coats
VOC	None

Application Data

Applied over	concrete, wood and tile
Primer	PlexiDeck MMA Primer
Method	Brush, Roller 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	PlexiDeck MMA Prep Cleaner

Typical Properties after 60 minutes

Percentage of Reactive Resin	100%
Water Absorbtion (%24 hours) (ASTM D570)	<0.1%
Tensile Strength (ASTM D638)	1050 psi
Elongation @ Break (ASTM D638)	34%
Tensile Modulus (ASTM D638)	4.4 x 10 ⁵ psi
Hardness (Shore D) (ASTM D2240)	70
Electrical Resistivity (ASTM D257)	10 ¹⁴ vol
Viscosity (ASTM D2392)	220 - 270 cps
Compressive Strength	6000 – 8000 psi

Application of Materials

PlexiDeck MMA Topcoat is applied over a PlexiDeck System at a rate of 100 – 135 sf per gallon (depending on system surface profile), using a medium nap roller or brush. The product can be pigmented using PlexiDeck MMA Pigments. The amount of PlexiDeck MMA Powder Hardener used is dependant on temperature. The applicator must follow the guidelines found in the PlexiDeck Mixing Charts provided.

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Contact your local **PPG Protective and Marine Coatings Representative** or call

Plexicoat America, LLC

P O Box 65279 Baltimore, MD 21209 800-950-8172

www.plexicoat.com