



Plexicoat MMA Flexible Bodycoat

Flexible Bodycoat for MMA Systems

Product Data

Description

Plexicoat MMA Flexible Bodycoat is a methyl methacrylate overlay and coating resin for use within the PLEXICOAT Floor Systems. Plexicoat MMA Flexible Bodycoat is a solvent free, 2-component, 100% reactive resin that is ideal for roller applied coatings exterior applications including road surface and parking decks along with decorative flake or quartz flooring systems. Plexicoat MMA Flexible Bodycoat can also be mixed with the Plexicoat MMA SL Filler to create a self-leveling formulation that reduces application time. Plexicoat MMA Flexible Bodycoat is a transparent resin that can be pigmented using the Plexicoat MMA Pigment for use within the Plexicoat Floor System. Plexicoat MMA Flexible Bodycoat can also be used as Flexible Joint Filler and within The Plexicoat MMA FX Polymer Concrete.

Yield

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Typically, a batch of Plexicoat MMA Flexible Bodycoat will achieve a coverage rate of 40 - 60 square feet.

Packaging

MMA4020/05 4.5 gallon pail
MMA4020/55 53 gallon drum

Color

Colorless, highly turbid

Shelf Life

One year when properly stored

Feature

- Fully cures in one hour
- Skid-Resistant
- Use Interior and Exterior
- Thermal Resistant
- Can be applied at -20°F
- Waterproof
- Excellent for Mechanical Rooms and Auto Bays

Benefits

- Reduction in downtime and rapid return to service
- UV Resistant
- Can be applied by roller, trowel or squeegee
- Suitable for metal deck coating
- Refrigerator and Freezer Applications
- An Industrial strength methyl methacrylate resin for road surfaces and parking decks

Where to Use

Used as a Flexible Bodycoat within the following Plexicoat Flooring Systems:

- Aggregate Broadcast, Color Quartz and Pigmented Plexicoat MMA Systems
- Traffic Deck, Bridge Deck Overlay, Self Leveling Systems and Roll Coat Systems

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 with bluish tint
Components	Resin plus Plexicoat MMA Powder Hardener and Fillers and Pigment as required
Recommended Thickness	1/16" – 3/8"
Coats	One
VOC	None

Application Data

Applied over	concrete, wood, metal and tile
Primer	Plexicoat MMA Primer or Plexicoat MMA Metal Primer ST
Method	Trowel, rake or roller
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)	1200 psi 750 psi (filled)
Elongation @ Break (ASTM D638)	220 - 300%
Hardness (Shore D) (ASTM D2240)	45
Viscosity (ASTM D2392)	1100 - 1300 cps
Flexural Strength (ASTM C580 mod.)	1300 – 1500 psi (filled)
Compressive Strength	2400 - 3000 psi (filled)

Application of Materials

Substrate must be primed using Plexicoat MMA Primer or Plexicoat MMA Metal Primer ST at a rate of 100 sf per gallon (depending on substrate surface profile and porosity). In a roll on system, Plexicoat MMA Flexible Bodycoat is applied neat or using Plexicoat MMA Sil-co-sil to thicken and pigment. Coverage rate achieved is approximately 60 to 80 sf per gallon. In a self leveling system, 2 gallons of Plexicoat MMA Flexible Bodycoat resin is combined with a 40 lb bag of Plexicoat MMA SL Filler and pigment to yield a coverage rate of approximately 40 - 60 sf @ 1/8" thickness. Depending on the application, aggregate, color quartz, or aluminum oxide may be broadcast into the fresh material. When cured, the system must be coated using one or two coats of clear or pigmented Plexicoat MMA Sealcoat.

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