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# PlexiDeck MMA Bodycoat

*Bodycoat for MMA Systems*

## Product Data

### Description

PlexiDeck MMA Bodycoat is a Methyl Methacrylate overlay and coating resin for use within the PLEXICOAT AMERICA Floor Systems. PlexiDeck MMA Bodycoat 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 Bodycoat can also be mixed with the PlexiDeck MMA Filler to create a self-leveling formulation that reduces application time. PlexiDeck MMA Bodycoat is a transparent resin that can be pigmented using the PlexiDeck MMA Pigment for use within the PlexiDeck MMA Floor System.

### Yield

All coverage rates are approximate. Coverage rates will vary with the desired texture and porosity of substrate. Typically, a batch of PlexiDeck MMA Bodycoat will achieve a coverage rate of 36-50 square feet.

### Packaging

4.5 gallon pail  
49 gallon drum

### Color

Transparent when fully cured. Material has a blue tint when applied.

### Shelf Life

One year when properly stored

### Features

- Fully cures in one hour
- Great color stability
- Installation Flexibility
- Seamless and water-tight
- Can be applied at -20°F

### Benefits

- Reduction in downtime and rapid return to service
- Extremely hard-wearing with high compressive strength
- Can be applied by roller, trowel or squeegee
- Suitable for incidental food contact (R2)
- An Industrial strength methyl methacrylate resin for decorative floors coatings

### Where to Use

Used as a Bodycoat 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 and Fillers and Pigment as required
Recommended Thickness	1/16" – 1/8"
Coats	One
VOC	None

## Application Data

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

## Typical Properties after 60 minutes

Percentage of Reactive Resin	100%
Water Absorption (%24 hours) (ASTM D570)	<0.1%
Tensile Strength (ASTM D638)	1050 psi 1450 psi (filled)
Elongation @ Break (ASTM D638)	34%
Tensile Modulus (ASTM D638)	4.4 x 10 <sup>5</sup> psi
Hardness (Shore D) (ASTM D2240)	70
Electrical Resistivity (ASTM D257)	10 <sup>14</sup> vol
Viscosity (ASTM D2392)	220-300 cps
Compressive Strength	6000 – 8000 psi (filled)

## Application of Materials

Substrate must be primed using PlexiDeck MMA Primer at a rate of 100 sf per gallon (depending on substrate surface profile and porosity). In a roll on system, PlexiDeck MMA Bodycoat is applied neat or using PlexiDeck MMA Sil-co-sil to thicken and pigment. Coverage rate achieved is approximately 60 to 80 sf per gallon. In a self leveling system, 1.5 gallons of PlexiDeck MMA Bodycoat resin is combined with a 40 lb bag of PlexiDeck MMA SL Filler and pigment to yield a coverage rate of approximately 36 - 50 sf @ 1/8" thickness. Depending on the application, color flakes, 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 PlexiDeck MMA Topcoat.

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