



MegaSeal™ MT

High performance polyaspartic floor coating

Product Data/ Application Instruction

- Unique, high-solids, high-build, floor coating
- High gloss
- Excellent gloss retention
- Outstanding abrasion, impact resistance
- Good chemical and stain resistance
- Tough and flexible coating

MegaSeal™ MT displays high gloss and excellent color and gloss retention during extended service periods.

MegaSeal MT has excellent adhesion to primed concrete providing a durable, glossy easy-to-clean flooring system. May be used over MegaSeal TF as a durable, weather-resistant topcoat for heavy duty service.

Typical Uses

- Concrete floors
- Binder for quartz broadcast floors

Recommended Systems

Substrate	Primer	Finish Coat
Concrete	MegaSeal TF, MegaSeal PS, MegaSeal SL, MegaSeal HSPC,	MegaSeal MT

* Other PPG epoxy primers are also acceptable.

Refer to specific primer's product data sheets and applications instructions for detailed application and surface preparation information. Apply test patch to intact coating to confirm compatibility and adhesion.

When MegaSeal TF is used as a primer for MegaSeal MT the maximum topcoat time is 24 hours. Clean and roughen surface if topcoat time is exceeded.

Products

99-3429	Neutral Resin
99-3433	Cure

Physical Data

Finish Gloss
Color

Refer to MegaSeal Color Chart (POS#H14179)

Available colors are:

White (99-CLR01/04)
Black (99-CLR02/04)
Tile Red (99-CLR03/04)
Sandstone (99-CLR04/04)
Light Gray (99-CLR10/04)
Deck Gray (99-CLR12/04)
Haze Gray (99-CLR14/04)
Raffia (99-CLR23/04)

All color options are packaged as colorant additives to be mixed at the time of application. The colorant additive comes in a quart size can. One quart can is required per mixed kit.

For a colored system- mix three components: resin, cure, and colorant. For a clear or broadcast system – mix two components: resin and cure. DO NOT USE PARTIAL VOLUMES.

Components	3 (pigmented topcoat) 2 (clear or quartz broadcast)
Curing mechanism	Solvent release and chemical reaction
Volume Solids (ASTM D2697 modified)	97% ± 3%
DFT per coat	5-20 mils (125-500 microns)
Coats	1
Theoretical coverage	ft ² /gal
20mils (500 microns)	77
5 mils (125 microns)	310
VOC (EPA 24) mixed	0.25 lb/gal 30 g/L
Temperature resistance, dry	°F °C
Continuous	200 93
Intermittent	250 121
Flash point (SETA)	°F °C
cure	316 158
resin	136 58

Chemical Resistance Guide

Environment Splash and Spillage

Acidic	E
Alkaline	E
Salt solutions	
Acidic	E
Neutral	E
Alkaline	E
Fresh water	E
Solvents	G
Petroleum products	E

F-Fair G-Good E-Excellent NR-Not Recommended
This table is only a guide to show typical resistance of MegaSeal MT. Contact your sales representative for your particular corrosion protection needs.

Environmental Conditions

Surface

	°F	°C
MegaSeal MT	40 to 80	4 to 27

Surface temperature must be at least 5°F (3°C) above dew point to prevent condensation.

Application Data

Applied over prepared and primed concrete.

Surface preparation

Concrete	See specific primer
Previously coated surface	SSPC-SP-3 or 7

Appearance will vary depending on substrate and application method.

Mixing ratio (by volume)	As supplied*
Pot life (mins)**	25

Environmental Conditions

	°F	°C
Temperature, air or surface		
MegaSeal MT	40 to 80	4 to 27

Relative Humidity 0-85%

Surface temperature must be at least 5°F (3°C) above dew point to prevent condensation.

Drying time (ASTM D1640) hours

	°F/°C		
	90/32	70/21	50/10
touch	3/4 hr	1 hr	2 hrs
through	4 hrs	6 hrs	1 hr
foot traffic	3-4 hrs	4-6 hrs	12-16 hrs
pneumatic wheel traffic	16-18 hrs	24 hrs	36 hrs
hard wheel traffic	48-60 hrs	72 hrs	98-120 hrs
recoat (min)	1 hr	2 hrs	4 hrs
recoat (max)	16 hrs	24 hrs	48 hrs

Drying times are dependent on air and surface temperatures as well as film thickness, ventilation and relative humidity.

Adhere to all application instructions, precautions, conditions and limitations to obtain the maximum performance. For conditions outside the requirements or limitations described, contact your sales representative.

** Do not mix partial kits*

*** Pot life will be longer at lower temperatures, and will be shorter at higher temperatures. Do not mix more material than can be use within the pot life shown.*

Application Equipment

Power mixer – Jiffy mixer powered by an air or explosion-proof electric motor.

Squeegee or Flex Trowel, Roller – Used for back-roller.

Application Procedure

Note: This product can be used with color additives for a solid colored quartz flooring system.

1. After mixing the resin and cure components for 2 to 3 minutes with a jiffy mixer, the mixture is poured onto the floor in the form of a bead 5” wide. Then, using a 12-14 inch rubber squeegee, the material is pulled slowly across the floor surface to fill the surface voids.
2. After filling (saturating) the area, use medium pressure on the squeegee while pulling the liquid from left to right, then from right to left. (ALWAYS TOWARD YOU). MegaSeal MT is normally applied at the rate of 130 to 140 sq. ft. per gal.
3. Use a good quality 18” (3/8) nap Dynel roller to back roll.
4. If desired, broadcast MegaSeal QTZ color quartz additive into the wet film immediately after back rolling. Broadcast is refusal to ensure no “wet” looking area remain.
5. Remove any loose quartz additive with a stiff bristle push broom when the coating is dry through.
6. Additional topcoats may be applied to achieve desired finish.

Note: Moisture sensitive – keep cure container tightly closed. Repeated moisture exposure will cause gelation and gassing; handle bulged containers with caution. Lid may eject forcibly.

Repair

Spot blast or power tool clean bare substrate to the requirements shown under surface preparation. Feather edges of intact coating. Remove dust, dirt and contamination before recoating.

Shipping Data

Packaging unit	5gal
cure	1 gal in 1 gal can
resin	1.5 gal in 5 gal can
Shipping weight (approx)	lbs
5 gal unit	
resin	11.2
cure	9.6

Shelf life when stored indoors at 40 to 100°F (4 to 38°C) resin 1 year from shipment date and cure 1 year from manufacturing date.

Numerical values are subject to normal manufacturing tolerances, colors and testing variances. Allow for application losses and surface irregularities. See application instructions for complete information and safety precautions.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

This product is for industrial use only. Not for residential use.

Warranty

PPG warrants only its title to the products, and that the products will be set forth in the warranty statement, if any, on the products labeling or in the absence of any such warranty statement that the products will conform to PPG's applicable published specifications. PPG's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at PPG's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PPG of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

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