DESCRIPTION

100% reactive curing acrylic resin binder coat for self-leveling, broadcasted and troweled mortar systems.

PRINCIPAL CHARACTERISTICS

- Rapid cure and return-to-service
- Allows for curing at lower temperatures
- Resistant to water and chemicals
- Good flow and leveling properties
- Good UV resistance
- High wear and chemical resistance
- Hot water resistance, ranging from 140°F (60°C) and 176°F (80°C)
- Impact resistant
- Crack-bridging
- Provides a continuous, seamless waterproofing membrane.
- Suitable for high mechanical loads on indoor and outdoor surfaces
- TYPICAL USES:
- Suitable for slip resistant coatings in wet areas
- Suitable for mechanical and thermal load

COLOR AND GLOSS LEVEL

- Product is clear as supplied.
- Color packs are available for the following colors:
- Blue, Medium Gray, Red, and Tan
- Satin

Note:

- Do not exceed 10% volume of pigment to resin

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Тwo
Mass density	8.1 lb/US gal (1.0 kg/l)
Volume solids	99% ± 2%
VOC (Supplied)	EPA Method 24: 0.8 lb/US gal (93.3 g/l)
Recommended dry film thickness	40.0 - 100.0 mils (1,016- 2,540 μm) per coat
Theoretical spreading rate	40.0 ft²/US gal at 40.0 mils (1.0 m²/l for 1016 μm) 16 ft²/US gal at 100.0 mils (0.4 m²/l for 2540 μm)
Dry to touch	20 minutes
Dry to overcoat	20 minutes
Full cure after	55 minutes



Data for mixed product	
Shelf life	Base: 12 months

Notes:

- Basic product data is based on final mixed product of 5 US gallons (19 L) PPG Flooring 431 MMA resin and 20 fl. oz. (591 mL) of PPG Flooring 6492 MMA Catalyst at 70°F (21°C)
- Material should be stored in dry conditions, out of direct sunlight, in unopened original factory containers, at temperatures above 50°F (10°C) and below 75°F (24°C)
- See ADDITIONAL DATA Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint, and other foreign substances
- New concrete must cure a minimum of 28 days prior to application of this product
- Prepare surface as per SSPC-SP13 guidelines
- Abrade surface to achieve a surface profile equivalent to CSP 3 to CSP 5 in accordance with ICRI 310.2R-2013

Substrate temperature and application conditions

- Substrate temperature during application should be between 30°F (-1°C) and 90°F (32°C)
- The surface temperature must be at least 5°F (3°C) above dew point
- For slabs on grade, test for moisture in accordance with ASTM F1869 (calcium chloride test)
- Vapor transmission should be less than 3 lbs./1000 sq. ft. per 24 hr period
- Maximum relative humidity during application and curing is 80%

SYSTEM SPECIFICATION

• Resin product must be mixed with PPG Flooring[™] 6492 MMA Catalyst at the volumes shown below prior to applying the mixed product to the prepared substrate.

Catalyst volumes by temperature

- Above 60°F (15.6°C) use 2-3 fl oz (59.1-88.7 ml) of the catalyst per gallon (3.8 L) of resin
- At 50°F (10.0°C) use 3.5 4.5 fl oz (103 133 ml) of the catalyst per gallon (3.8 L) of resin
- At 40°F (4.4°C) use 4.5 5.5 fl oz (133 163 ml) of the catalyst per gallon (3.8 L) of resin
- At temperatures below 40°F (4°C), PPG Flooring[™] 6493 Cold Temperature Accelerator must be added to the resin before adding the catalyst. See below for more information on using 6493 CTA.
- At 30°F (-1.1°C) use 5.5 7.0 fl oz (163 207 ml) of the Catalyst per gallon (3.8 L) of resin



INSTRUCTIONS FOR USE

Preparation

- Mixing preparation is dependent on ambient, substrate, and material temperature.
- Pre-mix base component to homogenize the container. Add hardener and stir until completely dispersed. Blend at least 2-3 minutes with a slow speed (200-400 rpm) mixer
- Only mix subsets which can be processed within the pot life, due to rapid curing
- Apply immediately after mixing

Note:

- Under dosage may result in curing disturbances; over dosage may result in color alterations

Application

- Substrate must be primed first using PPG Flooring[™] 920 MMA Primer. See 920 MMA primer data sheet for product details.
- Apply evenly over the surface using a notched squeegee or trowel.
- If a slip-resistant surface is desired, broadcast to excess a natural quartz sand of at least 20 mesh size at a rate of 0.25-1.25 lb/ft² (1.2-6.1 kg/m²)
- Ensure good ventilation during application and curing
- Remove excess sand or flakes (with broom or vacuum) once product has cured.
- No thinner should be added

Material temperature

• Material temperature during application should be between 30°F (-1°C) and 90°F (32°C)

Pot life

8 minutes at 70°F (21°C)

Note:

- See ADDITIONAL DATA - Pot life

CLEANING PROCEDURE

• All application equipment must be cleaned immediately after use



ADDITIONAL DATA

Batching ratios

- Pigment Pack: 6.4 fl oz (189 ml)
- Should be applied at a wet thickness of 60-120 mils (1524-3048 μm)
- Contact PPG Tech Services for mix ratios if other filler material is desired.
- Self-leveling filler: 1.0-1.5 gallon (3.8-5.7 L) or 15-22 lb (6.8-10.0 kg)
- For instructions on mixing the self-leveling filler in with the base and hardener, please contact PPG Tech Services
- Typical self-leveling slurry batch:
- Catalyst: As required by temperature (see SYSTEM SPECIFICATIONS above)
- Resin: 1.0 gallon (3.8 L) or 8.2 lb (3.7 kg)

Curing time for DFT up to 20.0 mils (500 µm)		
Substrate temperature	Dry to touch	
30°F (-1°C)	40 - 60 minutes	
40°F (4°C)	40 - 60 minutes	
50°F (10°C)	40 - 50 minutes	
60°F (16°C)	30 - 35 minutes	
70°F (21°C)	30 - 35 minutes	
80°F (27°C)	25 - 30 minutes	

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
30°F (-1°C)	8 minutes	
40°F (4°C)	8 minutes	
50°F (10°C)	8 minutes	
60°F (16°C)	8 minutes	
70°F (21°C)	8 minutes	
90°F (32°C)	6 minutes	

DISCLAIMER

- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your distributor or PMC representative for specific instructions and in order to make sure that the product performance can be safeguarded.
- For industrial or professional use only



SAFETY PRECAUTIONS

Read all label and Safety Data Sheet (SDS) information prior to use

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

WARRANTY

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