PPG Flooring 682 MMA Sealer Resin

Formerly known as AC826 SEALER RESIN

DESCRIPTION

Fast set, low-viscosity acrylic resin top coat sealer designed for areas with high exposure to water

PRINCIPAL CHARACTERISTICS

- Rapid cure and return-to-service
- Excellent adhesion to concrete
- Resistant to water and chemicals
- Allows for curing at lower temperatures
- High wear and chemical resistance
- Wide range of service temperatures, from below freezing to above 140°F (60°C)
- TYPICAL USES:
- Suitable for slip resistant coatings in wet areas
- Suitable for mechanical and thermal load

COLOR AND GLOSS LEVEL

- Clear
- 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	Two
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	16.0 - 30.0 mils (406 - 762 µm) per coat
Theoretical spreading rate	53.4 ft^2/US gal for 30.0 mils (5.6 m^2/l for 762 µm) 120 ft^2/US gal for 16.0 mils (2.9 m^2/l for 406 µm)
Dry to overcoat	45 minutes
Shelf life	Base: 12 months

Notes:

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- Basic product data is based on final mixed product of 5 US gallons (19 L) PPG Flooring 682 MMA resin and 10 fl. oz. (296 mL) of PPG Flooring 6492 MMA Catalyst at 60°F (16°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
- See ADDITIONAL DATA – Spreading rate and film thickness

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 4 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

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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

- Apply by squeegee and back roll with a medium nap roller
- Ensure good ventilation during application and curing
- For recommended application instructions, see working procedure
- 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

10 minutes at 70°F (21°C)

Note:

- See ADDITIONAL DATA – Pot life

Cleaning solvent

- Acetone or Ethyl Acetate

CLEANING PROCEDURE

- All application equipment must be cleaned immediately after use

ADDITIONAL DATA

Curing Time	
Substrate temperature	**Dry to touch**

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Curing Time	
30°F (-1°C)	1 hour
40°F (4°C)	50 minutes
50°F (10°C)	40 minutes
60°F (16°C)	30 minutes
70°F (21°C)	25 minutes
80°F (27°C)	20 minutes

Pot life (at application viscosity)	
Mixed product temperature	**Pot life**
30°F (-1°C)	50 minutes
40°F (4°C)	30 minutes
50°F (10°C)	25 minutes
60°F (16°C)	20 minutes
70°F (21°C)	15 minutes
90°F (32°C)	8 - 10 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.

REFERENCES

- Information sheet | Explanation of product data sheets

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