

PPG Flooring™ 3000 VS

Formerly known as Milamar 3000 VS Monolithic Coving Material

DESCRIPTION

Three-component, monolithic, epoxy cove system designed for vertical applications

PRINCIPAL CHARACTERISTICS

- Easy application
- Good chemical resistance
- Low odor
- To fill cracks and imperfections and cracks in vertical surfaces
- TYPICAL USES:
- Coving and curbing
- Tank and pump pads
- Walls, columns
- Chemical secondary containment walls

COLOR AND GLOSS LEVEL

- Gray, Red

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three
Volume solids	100 ± 2%
VOC (Supplied)	max. 0.1 lb/US gal (approx. 10 g/l)
Recommended dry film thickness	125 mils (3175 µm)
Theoretical spreading rate	10 ft ² /US gal for 125.0 mils (0.2 m ² /l for 3175 µm)
Dry to overcoat	2 hours
Dry to walk on	3 hours
Overcoating Interval	Minimum: 2 hours Maximum: 3 hours
Full cure after	4 days
Shelf life	Part A: at least 12 months when stored cool and dry Part B: at least 12 months when stored cool and dry Part C: at least 12 months when stored cool and dry

Notes:

- Listed spreading rate and film thickness are for Part A + Part B + Part C
- See ADDITIONAL DATA – Spreading rate and film thickness
- Full cure after reflects maximum chemical resistance at 75°F (24°C)
- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers.



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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Substrate temperature during application and curing should be between 65°F (18°C) and 85°F (29°C)
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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
 - Prepare in accordance with SSPC SP-13 guidelines
 - Surface texture of 60 grit sandpaper is desired for maximum adhesion
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Metal

- Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC SP-1
 - Abrasive blast with an angular abrasive to an SSPC SP-10 cleanliness or higher. Achieve a surface profile of 3.0 mils (75 µm)
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INSTRUCTIONS FOR USE

Preparation

- Prior to use, the temperature of Part A and Part B should be at least 70°F (21°C) for at least 48 hours
 - Product is sold in pre-measured containers at the required ratio
 - A single batch will yield 10 linear feet of 4-inch cove or 8 linear feet of 6-inch cove
 - Primer: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 1 minute
 - Mortar: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 1 minute. Slowly add part C and mix for another 1-2 minutes
 - Veil Coat: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 1 minute
 - As with all two-component systems, apply immediately after mixing, as exotherm will increase over time
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Application

- Apply the primer in a thin, even layer with a roller and pull the excess down with a squeegee
- The primer must be overcoated within 2-3 hours
- The primer will stay tacky for up to 3 hours; coving can be applied immediately or up to 3 hours after the primer is applied
- Apply the mortar by trowel and remove large surface marks
- Product working time is 20-30 minutes at 75°F (24°C)
- Spread the veil coat over the surface with a roller and remove excess material with a squeegee

Note:

- The working time of the mortar will substantially be reduced if the material is left in the mixing pail
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CLEANING PROCEDURE

- All application equipment must be cleaned immediately after use
- Clean tools and equipment with acetone or other solvent based cleaners
- Fully cured material can only be removed from equipment or surfaces through mechanical methods

ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Compressive strength (ASTM C579)	11,500 psi (79.290 MPa)
Tensile Strength (ASTM D638)	1,750 psi (12.07 MPa)
Bond Strength (ASTM C321)	>350 psi (2.41 MPa); 100% concrete failure
Coefficient of Thermal Expansion (ASTM C531)	1.2x10 ⁻⁵ per °F (2.16x10 ⁻⁵ per °C)
Impact Resistance (ASTM D5420)	100 lb-in. (11.3 Nm)
Indentation (MIL-D-3134F)	No indentation
Water Absorption (ASTM C413)	0.038%
Flammability (ASTM D-635)	Does not support combustion

Note:

- The value ranges stated in this Product Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

Spreading rate and film thickness	
DFT	Theoretical spreading rate
Part A & B: 10 mils (254 µm)	30 ft ² /US gal for 10.0 mils (0.7 m ² /l for 254 µm)
Part A, B & C: 125 mils (3175 µm)	10 ft ² /US gal for 125.0 mils (0.2 m ² /l for 3175 µm)

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements



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DISCLAIMER

- PPG Protective & Marine Coatings does not accept any responsibility or liability for any odor, taste or contamination imparted to the drinking water from the coatings or products retained in the coating
- For professional use only. Not for household use
- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your PMC representative for specific instructions and in order to make sure that the product performance can be safeguarded.

SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use
- Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode

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

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. 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 of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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AVAILABILITY OF PACKAGING

Packaging

- 1-batch kits

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