

PPG Flooring™ 3200

Formerly known as Milamar 3300 GS Flooring System

DESCRIPTION

Three-component, 100% solids, floor coating system designed for trowel application

PRINCIPAL CHARACTERISTICS

- Economical General Service Epoxy Mortar System
- Good chemical resistance
- Excellent adhesion
- Rapid cure
- Easy to clean
- TYPICAL USES:
- Factory and warehouse floors
- Suitable for areas with heavy traffic
- Suitable for steel wheeled and tracked vehicle traffic

COLOR AND GLOSS LEVEL

- Natural
- Semi-gloss

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three
Volume solids	100%
Recommended dry film thickness	250.0 mils (6350 µm) minimum
Theoretical spreading rate	27 ft ² /US gal for 250.0 mils (0.7 m ² /l for 6350 µm)
Dry to touch	10 minutes
Dry to walk on	8 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

Note:

- 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

Concrete

- All surfaces must be sound, 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 in accordance with SSPC SP-13 guidelines
- Surface texture of 60 grit sandpaper is desired for maximum adhesion
- Abrade surface to achieve a surface profile equivalent to CSP 6 to CSP 8 in accordance with ICRI 310.2R-2013

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
- Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

INSTRUCTIONS FOR USE

- Required primer for concrete: PPG Flooring 912 LV (formerly known as Milamar ICO Primer LV). Refer to Technical Data Sheet
- Mix PPG FLR 912 LV Primer and apply at 8 mils to the area where PPG FLR 3200 will be installed. The PPG FLR 3200 mortar mix should be applied over the wet and tacky PPG FLR 912 LV Primer.

Mix as packaged

- Prior to use, the temperature of Part A and Part B should be at least 70°F (21°C) for at least 48 hours
- Mortar: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 2 minutes. Slowly add part C and mix for another 1-2 minutes
- Apply immediately after mixing

Application

- Mortar: Pour the entire batch of mixed PPG FLR 3200 Mortar over the wet/tacky PPG FLR 912LV primer. The 3200 material can be spread with hand trowels or a screed box. The mortar can then be compacted and finished with hand trowels or a power trowel.
- Sealer Coat: Pour system onto floor and pull tight across surface with a 18 in (46 cm) squeegee. Back roll with a short nap roller to remove squeegee lines
- Product working time is 20-30 minutes at 75°F (24°C)

CLEANING PROCEDURE

- Clean mixer and all tools immediately after use to prevent material from bonding to surfaces
- Fully cured material can only be removed from equipment or surfaces through mechanical methods
- Clean tools and equipment with acetone or other solvent based cleaners

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ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Compressive strength (ASTM C579)	11,500 psi (79.3 MPa)
Tensile Strength (ASTM D638)	1,700 psi (11.7 MPa)
Bond Strength (ASTM C321)	>350 psi (2.4 MPa); 100% concrete failure
Coefficient of Thermal Expansion (ASTM C531)	1.2 x 10 ⁻⁵ in/in/°F (2.18 x 10 ⁻⁵ cm/cm/°C)
Impact Strength	130 in/lbs (15 Nm)
Water Absorption (ASTM C413)	0.047%
Flexural Strength (ASTM C580)	3,500 psi (24 MPa)

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.

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements

DISCLAIMER

- Chemical resistance properties shown on the data sheet are for general information only. Always check with PPG PMC Technical Support to verify resistance to the specific chemical exposure for the service being considered.
- For industrial or professional use only
- 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

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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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.

LIMITATIONS OF LIABILITY

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AVAILABILITY OF PACKAGING

Packaging

- 3-gallon, 15-gallon, and 75-gallon kits

