

PPG Flooring™ 3300 Coating System

Formerly known as Milamar 3300 FS

DESCRIPTION

Three-component, floor coating system designed for trowel application

PRINCIPAL CHARACTERISTICS

- Rapid cure and return-to-service
- Excellent adhesion
- USDA acceptable
- Resistant to acids, caustics, detergents and other corrosive materials
- TYPICAL USES:
- Food production plants
- Industrial and commercial warehouses
- Suitable for industrial areas with heavy traffic
- Repair of horizontal concrete and porous masonry surfaces

COLOR AND GLOSS LEVEL

- Black, Gray, Red

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three
Volume solids	100%
Theoretical spreading rate	16 ft ² per 1 batch kit at 1/4" (1.5 m ² per 1 batch kit at 6350 μm) 48 ft ² per 3 batch kit at 1/4" (4.5 m ² per 3 batch kit at 6350 μm)
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

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Substrate temperature during application and curing should be between 65°F (18°C) and 85°F (29°C)
- Do not apply if substrate temperature is below 60°F (16°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

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

INSTRUCTIONS FOR USE

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
- 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

- Apply on wet/tacky PPG FLR 912LV Primer
- Spread with screed box or pour the entire mixed batch onto the floor, spread evenly and trowel smooth with steel hand trowel or power trowel
- Product working time is 20-30 minutes at 75°F (24°C)
- For recommended application instructions, see working procedure

Cleaning procedure

- Cured material may be disposed according to local, state and federal laws and regulations
- All application equipment must be cleaned immediately after use

ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Compressive strength (ASTM C579)	11,500 psi (79 MPa)
Tensile Strength (ASTM D638)	1,700 psi (12 MPa)
Bond Strength (ASTM C321)	>350 psi (>2.4 MPa); 100% concrete failure
Coefficient of Thermal Expansion (ASTM C531)	1.2x10 ⁻⁵ in./in./°F (2.2x10 ⁻⁵ cm/cm/°C)
Impact Strength (ASTM D4226)	130 in/lbs (15 Nm)



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Physical data of cured material	
Indentation (MIL-D-3134F)	No Indentation
Water Absorption (ASTM C413)	0.047% at 24 hours in water
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

- 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 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 PPG representative for specific instructions and in order to make sure that the product performance can be safeguarded.

SAFETY PRECAUTIONS

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

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 and 3-batch kits

