

PPG Flooring™ 5800

Formerly known as Milamar 3800 FS

DESCRIPTION

Four-component, screed rake applied, epoxy slurry system

PRINCIPAL CHARACTERISTICS

- Excellent adhesion
- Rapid cure
- Easy to clean
- Excellent chemical resistance
- Slip resistant finish
- Compliant with USDA Incidental Food Contact Requirements

COLOR AND GLOSS LEVEL

- Gray, Red

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Four
Volume solids	100 ± 2%
Recommended dry film thickness	250.0 mils (6350 µm) minimum
Theoretical spreading rate	30 ft ² /batch for 250 mils (2.8 m ² /batch for 6350 µm)
Dry to walk on	12 hours
Full cure after	96 hours
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 Part D: at least 12 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Substrate temperature during application should be between 65°F (18°C) and 85°F (29°C)
- Maintain substrate temperature for 28 days after application to complete cure

Concrete

- Concrete must be in sound condition and free of all coatings, curing compounds, oil, laitance and other contaminants. New concrete must cure a minimum of 28 days prior to application.
- Surface must be acid etched, scarified, or shot blasted to remove laitance.
- Surface texture of 60 grit sandpaper is desired for maximum adhesion



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INSTRUCTIONS FOR USE

Mix as packaged

- Combine Part A and Part B components and agitate with a power mixer for 2 minutes until completely mixed
- Slowly add Part C and mix for another 1-2 minutes

Application

- Immediately after mixing, pour the mixture onto the floor and spread with a screed rake and back roll with a looped roller
- Leaving a wet edge for the next batch, broadcast Part D aggregate into the freshly leveled surface. Repeat process until entire floor is covered
- Allow the surface to cure sufficiently to support foot traffic before sweeping off excess Part D
- To lock in aggregate and provide a cleanable surface, topcoat with appropriate epoxy or urethane coating

CLEANING PROCEDURE

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

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; 100% concrete failure
Flexural Strength (ASTM C580)	3,500 psi (24.1 MPa)
Coefficient of Thermal Expansion (ASTM C531)	1.2 x 10 ⁻⁵ in/in/°F
Impact Resistance (ASTM D2794)	130 in/lbs (15 Nm)
Indentation (MIL-D-3134F)	No Indentation

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 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



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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

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

- 2-batch kits

