

PPG Flooring™ 3300 CT

Formerly known as Milamar 3300 CT Flooring System

DESCRIPTION

Three-component epoxy trowel-applied flooring system (primer, mortar, & veil coat) that provides excellent chemical resistance

PRINCIPAL CHARACTERISTICS

- Excellent adhesion
- Rapid cure
- Compliant with USDA Incidental Food Contact Requirements
- Easy to clean
- Low-temperature curing down to 0°C (32°F)

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 ± 2%
Full cure after	7 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:

- See ADDITIONAL DATA – Spreading rate and film thickness
- See ADDITIONAL DATA – Curing time
- 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 should be between 30°F (-1°C) and 90°F (32°C)

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 texture of 60 grit sandpaper is desired for maximum adhesion



PPG Flooring™ 3300 CT

Formerly known as Milamar 3300 CT Flooring System

Metal

- Abrasive blast with an angular abrasive to a cleanliness of SSPC-SP10 or higher. Achieve a surface profile of 3.0 – 5.0 mils (76 – 127 µm) as measured using a Surface Profile Gage.

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
- Primer: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 2 minutes
- 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
- Veil Coat: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 2 minutes

Application

- Apply by squeegee and back roll with a medium nap roller
- Mortar: Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel
- Product working time is 20-30 minutes at 75°F (24°C)

Note:

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

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 (79.3 MPa)
Tensile Strength (ASTM D638)	Primer/Mortar: 1,700 psi (12 MPa) Veil Coat: 4,100 psi (28 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	Primer/Mortar: 130 in/lbs (15 Nm) Veil Coat: 170 in/lbs (19 Nm)
Indentation (MIL-D-3134F)	No indentation
Water Absorption (ASTM C413)	0.04% 24 hours in water



PPG Flooring™ 3300 CT

Formerly known as Milamar 3300 CT Flooring System

Physical data of cured material	
Flexural Strength (ASTM C580)	Primer/Mortar: 3,500 psi (24 MPa) Veil Coat: 6,200 psi (43 MPa)
Taber Abrasion (ASTM D1044, CS-17 Wheel, 1 kg load, 1000 cycles)	Veil Coat: 58 mg
Hardness, Shore A (ASTM D2240)	Veil Coat: 90
Hardness, Shore D (ASTM D2240)	Veil Coat: 70

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
Primer: 8-10 mils (200-250 µm)	50 ft ² /batch (4.6 m ² /batch)
Mortar: 250 mils (6350 µm)	16 ft ² /batch (1.5 m ² /batch)
Veil Coat: 15 mils (375 µm)	100 ft ² /US gal (2.5 m ² /l)

Curing Time	
Substrate temperature	Dry to walk on
30°F (-1°C)	24 hours
50°F (10°C)	10 hours
75°F (24°C)	6 hours

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements

DISCLAIMER

- 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.



PPG Flooring™ 3300 CT

Formerly known as Milamar 3300 CT Flooring System

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.

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

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

AVAILABILITY OF PACKAGING

Packaging

- Primer/Mortar: 1-batch and 8-batch kits
- Veil Coat: 1-gallon and 3-gallon kits