PPG Flooring™ 833 CR

Formerly known as Milamar 3300 CR Flooring System

DESCRIPTION

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

PRINCIPAL CHARACTERISTICS

- Easy application
- Rapid cure and return-to-service
- FDA/USDA compliant for incidental food contact
- Excellent chemical resistance
- TYPICAL USES:
- Food and beverage processing facilities
- Chemical processing facilities
- Industrial production facilities
- Pulp and paper mills
- Suitable for many secondary containment applications
- Suitable for new construction and for maintenance/repair

Notes:
- This product was previously sold as Milamar 3300 CR Flooring System.
- Information Sheet available with test and certification data

COLOR AND GLOSS LEVEL

- Black, Gray, Red
- Semi-gloss

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three
Mass density	9.5 lb/US gal (1.1 kg/l)
Volume solids	100 ± 2%
VOC (Supplied)	EPA Method 24: 0.0 lb/US gal (0.0 g/l)
Overcoating Interval	Minimum: 6 hours Maximum: 24 hours
Dry to walk on	8 hours
Full cure after	4 days

Notes:
- The shelf life for the unmixed components (Part A and Part B) for this product is 12 months at 70°F (21°C).
- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers
- If overcoat time is exceeded, abrade and clean surface before recoating

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- New concrete must cure a minimum of 28 days prior to application
- Surface must be clean, uniform, sound, and free from contamination (such as oil, grease, rust, scale, or deposits).
- Surface must be acid etched, scarified, or shot blasted to remove laitance.
- 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. Achieve a surface profile of 4.0 mils (100 µm)

Substrate temperature and application conditions

- Substrate temperature during application and curing should be between 65°F (18°C) and 85°F (29°C).

INSTRUCTIONS FOR USE

Mixing ratio by volume: Part A to Part B 50:50 (1:1)

- 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
- Properly mixed material will be a uniform color without light or dark spots

Application

- Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel or power trowel
- Product working time is 20-30 minutes at 75°F (24°C)
- Theoretical spreading rate is 16 square feet (1.49 square meters) at 0.25 in. (6.35 mm) thickness per batch of product.

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

Cleaning procedures

- Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode
- Clean tools and equipment with PPG AMERCOAT® 12 Cleaner or acetone

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ADDITIONAL DATA

Physical data of cured material	
Characteristic	**Value**
Tensile Strength (ASTM D638)	1,850 psi (12.6 MPa)
Compressive strength (ASTM C579)	12,500 psi (86.2 MPa)
Bond Strength (ASTM C321)	>350 psi (>2.4 MPa)
Flexural Strength (ASTM C580)	3,850 psi (26.5 MPa)
Water Absorption (ASTM C413)	0.047%
Impact Strength	130 in/lb (74 cm/N)
Indentation (MIL-D-3134F)	No indentation

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

DISCLAIMER

- For industrial or professional use only

SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use
- Care should be taken to prevent eye and skin contact
- 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 and 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

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430

WARRANTY

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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.