

PPG Flooring™ 3300 AR

Formerly known as Milamar 3300 AR

DESCRIPTION

Three-component, trowel applied epoxy mortar system incorporating silicone carbide aggregate

PRINCIPAL CHARACTERISTICS

- Rapid cure and return-to-service
- Good resistance to acids, caustics, detergents and other corrosive materials
- Excellent abrasion resistance
- TYPICAL USES:
- Suitable for areas with heavy traffic
- Areas subject to severe sliding abrasion
- Roll off dumpster pads
- Trash transfer & trash-to-steam tipping pads
- Paper & Steel mills

COLOR AND GLOSS LEVEL

- Black
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Three
Volume solids	100 ± 2%
VOC (Supplied)	max. 0.1 lb/US gal (approx. 13 g/l)
Theoretical spreading rate	16 ft ² /US gal for 250.0 mils (0.4 m ² /l for 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

Notes:

- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers
- Full cure after reflects maximum chemical resistance at 75°F (24°C)
- A full 1-batch kit is designed to cover approximately 16 ft² at 0.25 inch (1.5 m² at 6.3 mm)



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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Substrate temperature during application and curing should be between 65°F (18°C) and 85°F (29°C)
- Surface must be clean dry and sound
- Concrete surfaces must be primed with PPG Flooring™ 912 LV Primer before applying product.
- Abrade surface to achieve a surface profile equivalent to CSP 4 to CSP 8 in accordance with ICRI 310.2R-2013

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 must be acid etched, scarified, or shot blasted to remove laitance.
- 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

Preparation

- 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
- As with all two-component systems, apply immediately after mixing, as exotherm will increase over time

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)

CLEANING PROCEDURE

- 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
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Physical data of cured material	
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(2.2 x 10 ⁻⁵ mm/mm/°C)
Impact Resistance (ASTM D5420)	130 lbs-in (15 Nm)
Indentation (MIL-D-3134F)	No indentation
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

- 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.
- 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.

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

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

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AVAILABILITY OF PACKAGING

Packaging

- 1-batch and 3-batch kits

