

Product Data Sheet

DESCRIPTION:

3300 AR is a three-component, silicon carbide based mortar flooring system, trowel applied at a minimum ¼ inch. 3300 AR is U.S.D.A. acceptable for use in food processing plants and has excellent resistance to most acids, caustics, detergents and other corrosive materials. 3300 AR is specially formulated to withstand heavy abrasion in high traffic areas.

ADVANTAGES:

- Prepackaged - Easy To Use
- Excellent abrasion resistance
- Short Down Time – Quick Cure
- Easy To Clean - U.S.D.A. Acceptable
- Chemical Resistant
- Environmentally Safe

USES:

- Loading Docks - Shipping / Receiving Truck Pads
- Forklift Aisle ways
- Co-Gen Tipping Floors
- Slurry Trench Bottoms

SUPPLEMENTAL PRODUCTS:

- 3300 Primer
- 3500 Grout - Pitching and Filler
- 3000 BC / Veil Coat
- 1000 CS – Pigmented Industrial Top Coat
- 3000 FLEX - Expansion Joint Filler

PACKAGING:

3300 AR – Mortar - packaged in batches -

1 Batch Kit – covers approximately 16 square feet at ¼ inch (250mils), consisting of the following –

- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 1 bag – Part C (chemical resistant aggregate)

3 Batch Kit – covers approximately 48 square feet at ¼ inch (250 mils), consisting of the following –

- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 3 bags – Part C (chemical resistant aggregate)

Required: 3300 Primer

Recommended: 1000 CS Top Coat or 3000 BC Veil Coat

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	11,500 psi	Water Absorption (ASTM C-413):	0.047%
Tensile Strength (ASTM D-638) <resin>:	1,700 psi	Working Time at 75°F (24°C) (ASTM C-308):	20-30 minutes
Bond Strength (ASTM C-321):	Greater than 350 psi; 100% concrete failure	Shelf Life:	1 Year
Coefficient of Thermal Expansion:	1.2 x 10 ⁻⁵ in./in./°F	Solids Content	By Weight: 100% By Volume: 100%
Impact Strength:	130 in. /lbs.	Flexural Strength (ASTM C-580) <resin>:	3,500 psi
Indentation (MIL-D-3134F):	No indentation	Flammability:	Does not support combustion
		Colors:	Black

SURFACE PREPARATION:

3300 AR may be installed only on clean, sound substrates

Concrete:

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched, scarified or shot blasted to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for maximum adhesion, with removal of all surface glaze.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

MIXING:

Prior to starting, materials should be stored at 70°F (21°C) for at least 48 hours.

Primer - Empty entire contents of Part B into Part A and stir thoroughly for 2 minutes.

Mortar - Empty entire contents of Part B into Part A and stir thoroughly for 2 minutes. Slowly add the entire contents of Part C and mix for another 1-1/2 to 2 minutes.

As with all two-component systems, apply immediately after mixing, as exotherm will increase over time. The working time of the mortar will substantially be reduced if the material is left in a pail.

APPLICATION:

Substrate temperature should be 65°-85°F (18°-29°C) during installation and for 96 hours thereafter for complete cure. Do not apply 3300 AR when floor temperature is below 60°F (16°C). Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel.

CURE TIME:

3300 AR will harden to foot traffic in 6-8 hours at 75°F (24°C). Maximum chemical resistance will occur after 96 hours of cure time at 75°F (24°C).

CLEANUP:

Cured or hardened 3300 AR will bond to practically all surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone or other solvent based cleaners.

SAFETY:

Avoid skin contact. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to

explode. 3300 AR Material Safety Data Sheets are available upon request.

NOTE:

Refer to 3300 AR Instruction for use.

Limited Warranty

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C

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