

Product Data Sheet

DESCRIPTION:

3300 CR is a three-component, trowel applied, ¼ inch, Novolac Epoxy flooring system. 3300 CR is U.S.D.A. acceptable for use in food processing facilities. It has excellent chemical resistance for severe environments such as secondary containment in chemical processing facilities, pulp & paper mills, and power plants. 3300 CR can be used on new floors as well as for refurbishing existing surfaces.

ADVANTAGES:

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

USES:

- Tank Farms
- Chemical Process Lines
- Laboratories
- Industrial Production Facilities
- Pharmaceutical Research Areas

SUPPLEMENTAL PRODUCTS:

- 3300 Primer
- 3500 Grout - Pitching and Filler
- 3300 CR Veil Coat - Chemical Resistant Sealer

PACKAGING AND COVERAGE:

3300 CR – Mortar – packaged in batches -

- 1 Batch Kit – covers approximately 16 square feet at ¼ inch (250 mils), 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" (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: 3300 CR - Veil Coat – One gallon covers approximately 100 square feet at 15 mils.

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	12,500 psi	Water Absorption (ASTM C-413):	0.047%
Tensile Strength (ASTM D-638) <resin>:	1,850 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>:	3,850 psi
Indentation (MIL-D-3134F):	No indentation	Flammability:	Does not support combustion
		Colors:	Black, Red, Gray

SURFACE PREPARATION:

3300 CR 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. To produce the proper 4 mil anchor profile the blast media used shall be properly graded, clean, sharp, and angular, similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

MIXING:

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

Mortar: Empty the entire contents of Part B into Part A and mix thoroughly for 2 minutes. Empty mixture into a mixer and slowly add the entire contents of Part C (aggregate). Mix for 2 minutes.

Pour the system onto the floor immediately after mixing. Do not allow the mixture to sit in a pail as this will greatly reduce the working time of the material.

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 CR 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.

Recommended: 3300CR Veil Coat can be applied within 6-8 hours (at 75°F/24°C).

CURE TIME:

3300 CR will harden to foot traffic in 6-8 hours at 75°F (24°C). Maximum crosslink density, and chemical resistance, will be achieved after 96 hours of cure at 75°F (24°C).

CLEANUP:

Cured or hardened 3300 CR 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. 3300CR Material Safety Data Sheets are available upon request.

NOTE:

Refer to 3300CR 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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