

PRODUCT INFORMATION SHEET
3300 CR FLOORING SYSTEM
1/4" TROWEL APPLIED NOVOLAC EPOXY MORTAR

DESCRIPTION:

3300 CR is a three-component, trowel applied, 1/4 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 1/4 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 1/4" (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	12,500 psi ASTM C-579 (resin)
Tensile Strength	1,850 psi ASTM D-638 (resin)
Flexural Strength	3,850 psi ASTM C-580 (resin)
Bond Strength	Greater than 350 psi ASTM C-321 100% concrete failure
Coefficient of Thermal Expansion	1.2 x 10 ⁻⁵ in./in./°F
Impact Strength	130 in./lbs.
Indentation	No indentation MIL-D-3134F
Flammability	Does not support combustion
Water Absorption	0.047% ASTM C-413
Working Time at 75°F (24°C)	20-30 minutes ASTM C-308
Shelf Life	1 Year
Colors	Red, Gray, Black
Solids by Content	By Weight 100% By Volume 100%

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.

IMPORTANT NOTICE TO PURCHASER:

The following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantities of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered unless written authorization is received from PROTECTIVE FLOORINGS AND LININGS, A DIVISION OF A. W. CHESTERTON.