

PRODUCT INFORMATION SHEET
3300 AR FLOORING SYSTEM
 ABRASION RESISTANT 1/4" TROWEL APPLIED MORTAR

DESCRIPTION:

3300 AR is a three-component, silicon carbide based mortar flooring system, trowel applied at a minimum 1/4 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 1/4 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 1/4 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	11,500 psi ASTM C-579 (resin)
Tensile Strength	1,700 psi ASTM D-638 (resin)
Flexural Strength	3,500 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	Black
Solids by Content	By Weight 100% By Volume 100%

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.

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.

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