

DESCRIPTION:

3200 FS is a four-component, monolithic epoxy flooring system, trowel applied at a minimum of 1/8 inch. 3200 FS is U.S.D.A. acceptable for food processing plants and has excellent resistance to many acids, caustics, detergents and other corrosive materials. The skid resistant texture of 3200 FS is excellent in wet areas where slippery conditions can create a safety hazard.

ADVANTAGES:

- Excellent Bonding Properties
- Skid Resistant For Safety
- Short Down Time – Quick Cure
- Easy To Clean – U.S.D.A. Acceptable.
- Chemical Resistant
- Environmentally Safe

USES:

- Walkways
- Wet Process Areas
- Chemical Spill Containment Areas
- Hazardous Areas Around Machinery
- Mezzanines
- Forklift Ramps
- Stairs and Landings

SUPPLEMENTAL PRODUCTS:

- 3300 Flooring System Pitching and Filler
- 3000 VS Vertical Surfaces and Coves
- 1000 CS – Pigmented Industrial Top Coat
- 3000 Flex - Expansion Joint Filler
- Fibercoat Coating System Reinforced Wall Coating

PACKAGING AND COVERAGE:

3200FS is packaged in "Kits" consisting of 4 batches. **4 Batches – 3200FS – Mortar** – cover approximately 100 square feet at 1/8" (125mils), consisting of the following -

- 4 containers – Part A (resin)
- 4 containers – Part B (hardener)
- 4 bags – Part C (chemical resistant aggregate).
- 40# – Part D (broadcast aggregate).

Topcoat Recommended – PF&L 1000CS at a coverage rate of 60 square feet per gallon.

PROPERTIES:

Compressive Strength	11,500 psi ASTM C-579 (resin)
Tensile Strength	1,750 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	1.4 x 10 ⁻⁵ in./in./°F
Impact Strength	100 in./lbs.
Indentation	No indentation MIL-D-3134F
Abrasion Resistance	53 milligrams ASTM D-1044
Flammability	Does not support combustion
Water Absorption	0.056% ASTM C-413
Working Time at	20-30 minutes 75°F (24°C) ASTM C-308
Shelf Life	1 Year
Colors	Red, Gray, Black
Solids Content	By Weight 100% By Volume 100%

SURFACE PREPARATION:

3200FS 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 3 mil anchor profile, the blast media should 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. Empty the entire contents of Part B into Part A and mix thoroughly for 2 minutes. Empty components into a mixer, and slowly add the entire contents of Part C (aggregate). Mix for 2 minutes. Pour the mixture 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 3200 FS when floor temperature is below 60°F (16°C). Pour the entire batch onto the floor as soon as blended to avoid settling of aggregate, and spread with a clean, notched steel trowel held at a 15 degree angle. After each batch, wait 5-10 minutes to allow material to flow. Evenly broadcast Part D (aggregate) over newly laid surface, completely covering all resin. Allow for a wet edge of approximately 2 feet for the next batch to connect to. Unless otherwise specified, this floor is designed to follow the existing contour of floor.

Optional Topcoat can be applied within 2-4 hours (at 75°F/24°C).

CURE TIME:

3200 FS 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 3200 FS 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. 3200 FS Material Safety Data Sheets are available upon request.

NOTE:

Refer to 3200 FS 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.