

Product Data Sheet

DESCRIPTION:

4300FS is a three-component, urethane flooring system, trowel applied at a minimum ¼ inch thickness. 4300FS Mortar is U.S.D.A. acceptable for food processing plants, has excellent resistance to thermal shock, many acids, caustics, detergents and other corrosive materials.

ADVANTAGES:

- Thermal Shock Resistant
- Prepackaged, Applicator Friendly
- No Primer Required
- Excellent Adhesion
- Short Down Time – Quick Cure
- Easy to Clean, U.S.D.A. Acceptable
- Chemical Resistant
- Environmentally Safe

USES:

- Food Production Plants
- Oven And Fryer Lines
- Coolers And Freezers
- Forklift Aisle-ways
- Chemical Spill Containment Areas
- Industrial Production Facilities

SUPPLEMENTAL PRODUCTS:

- 3000 VS Vertical Surfaces and Coves
- 3300 CR Veil Coat Chemical Resistant Sealer
- 4000 CS Veil Coat Nonslip Sealer
- 1000 CS Pigmented Topcoat
- 3000 FLEX - Expansion Joint Filler
- Fibercoat – Reinforced Wall Coating

PACKAGING:

4300FS Mortar is packaged in batches – 1 batch kit covers approximately 16 square feet at ¼ inch - consisting of –
1 container - Part A (liquid)
1 container - Part B (liquid)
1 container - Part C (chemical resistant aggregate).

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	8,100 psi	Bond Strength (ASTM C-321):	350 psi; 100% concrete failure
Tensile Strength (ASTM D-638) <resin>:	950 psi	Working Time at 75°F (24°C) (ASTM C-308):	20-30 minutes
Shelf Life:	3 months (store at minimum temperatures of 50°F) <4300 Part A and B may crystallize below 50°F>	Solids by Content:	Weight: 100% Volume: 100%
Flexural Strength (ASTM C-580) <resin>:	1,900 psi	Colors:	Gray, Red, Black
Coefficient of Thermal Expansion:	1.1 x 10 ⁻⁵ in./in./°F	Indentation (MIL-D-3134F):	No Indentation
Impact Strength:	120 in./lbs.	Flammability:	Does not support combustion
Modulus of Elasticity (ASTM C-580):	1.7 x 10 ⁵ psi	Service Temperature:	-30°F to 280°F

SURFACE PREPARATION:

4300FS Mortar 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 scarified or shot blasted to remove surface laitance. Recommended profile is a minimum CSP 5 as outlined by ICRI (International Concrete Repair Institute).

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 30 seconds. Empty mixture into a mixer and slowly add the entire contents of Part C (aggregate) and mix for an additional two minutes. Pour the mixture onto the floor immediately after mixing. If mortar is allowed to sit in the mixer this may reduce the working time of the system.

APPLICATION:

For best results, floor surface should be at 65° - 85°F (18°C-29°C) during installation, and for 72 hours thereafter for complete cure. Do not apply 4300 FS when substrate temperature is below 60°F (16°C).

Mortar:

After it is mixed, pour mortar out on the floor and trowel smooth at ¼" film thickness. Smooth with a steel trowel. If using optional veil coat, mix well and apply with a squeegee or roller. Unless otherwise specified, this floor is designed to follow the existing contour of floor.

CURE TIME:

4300 will harden to foot traffic in 8-12 hours at 75°F (24°C). Maximum chemical resistance is reached after 72 hours, at 75°F (24°C).

CLEANUP:

Cured or hardened 4300 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 reaction may cause container to

explode. 4300 Material Safety Data Sheets are available upon request.

Warning:

4300FS may crystallize when exposed to temperatures below 50°F for extended periods of time. 4300FS should not be exposed to freezing temperatures as it is NOT freeze / thaw stable.

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, 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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