3000VS Monolithic Coving Material

Product Data Sheet

DESCRIPTION:
3000 VS is a trowel applied, monolithic, epoxy cove system, typically applied at 1/8". 3000 VS coving system is used to protect vertical surfaces subject to chemical contact. 3000 VS is U.S.D.A. acceptable for use in food processing plants.

ADVANTAGES:
- Specially Blended For Vertical Surfaces Without Sagging
- Fills Cracks And Imperfections In Substrate
- Prepackaged For Ease Of Handling
- Sealed, Monolithic Surface – Easy To Clean
- Low Odor
- Chemical Resistant
- Resistant To High Pressure Wash Downs
- U.S.D.A Acceptable

USES:
- Coving And Curbing
- Tank And Pump Pads
- Columns
- Chemical Secondary Containment Walls

SUPPLEMENTAL PRODUCTS:
- 3000 Series Floorings - For Horizontal Surfaces
- 3000 VS Primer and Veil Coat
- 3000 Flex - Expansion Joint Compound
- 3000 Series Trowel Applied Mortar Systems

PACKAGING AND COVERAGE:
3000 VS System - packaged in batches consisting of the following –

3000 VS Primer – covers approximately 30 square feet at 10 mils.
1 container – Part A (resin)
1 container – Part B (hardener)

3000 VS Coving – covers approximately 10 square feet at 1/8 inch (125 mils).
1 container – Part A (resin)
1 container – Part B (hardener)
1 bag – Part C (chemical resistant aggregate)

3000 VS Veil Coat – covers approximately 30 square feet at 10 mils.
1 container – Part A (resin)
1 container – Part B (hardener)

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	11,500 psi	Water Absorption (ASTM C-413):	0.038%
Tensile Strength (ASTM D-638):	1,750 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:	1.2×10^{-5} in./in./^{o}F	Colors:	Gray, Red
Impact Strength:	100 in. /lbs.	Solids Content	By Weight: 100% By Volume: 100%
Indentation (MIL-D-3134f):	No indentation	Flammability (ASTM D-635):	Does not support combustion

SURFACE PREPARATION:
3000 VS 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 shall be

properly graded, clean, sharp, and angular, 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 1 minute.

Mortar - Empty entire contents of Part B into Part A and stir thoroughly for 1 minute. Slowly add the entire contents of Part C and mix for another 1-1/2 to 2 minutes.

Veil Coat - Empty entire contents of Part B into Part A and stir thoroughly for 1 minute.

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 application, and 96 hours thereafter for complete cure. Do not apply if surface temperature is below 60°F (16°C). First apply the primer to the surface in a thin, even layer with a roller, and then pull the excess down with a squeegee. Prime only the areas to be coated within the next 2-3 hours. Trowel mortar evenly over the surface using firm pressure, filling in low spots as you go. Remove large surface marks by cleaning trowel and quickly going over the surface with light pressure. Allow mortar to set 2-3 hours or until hardened to the touch. Knock off any surface nubs with a carbide block or grinder. Spread the veil coat over the surface with a roller and pull down excess material with a squeegee.

CURE TIME:

3000 VS will harden within 2-3 hours; however, 96 hours at 75°F (24°C) is recommended for chemical spills.

CLEANUP:

Cured or hardened 3000 VS 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. 3000 VS Material Safety Data Sheets are available upon request.

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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