

Product Data Sheet

DESCRIPTION:

6000 VS is a trowel-applied monolithic coving system, typically applied at 1/8". 6000 VS is an excellent material for coving from a floor to the wall, and can also be used to protect vertical surfaces subject to chemical splashes. It is U.S.D.A. acceptable for use in food processing plants.

ADVANTAGES:

- Monolithic Surface – Easy To Clean
- Used To Fill Damaged Surfaces
- Prepackaged For Easy Mixing
- Specially Blended Aggregate – Trowel Applied To Vertical Surfaces Without Sagging
- Chemical Resistant
- Durable – Resistant To Wear And High Pressure Wash Downs

USES:

- Coving and Curbing
- Tank and Pump Pads
- Columns
- Chemical Secondary Containment Walls

SUPPLEMENTAL PRODUCTS:

- 6000 Flooring System
Horizontal Surfaces
- ULTRAPRIME (concrete only)
Penetrating Moisture Cure Primer
- 6000 VS Primer and Veil Coat
Included in standard system
- 6650 Coating System - Walls and Ceilings

PACKAGING AND COVERAGE:

6000 VS system - packaged in batches -

6000 VS Primer – covers approximately 30 square feet at 10 mils - consisting of the following -
1 container - Part A (resin)
1 container - Part B (catalyst)

6000 VS Mortar – covers approximately 10 square feet at 1/8 in (250 mils), consisting of the following -
1 container – Part A – (resin)
1 container – Part B – (catalyst)
1 bag - Part C - (chemical resistant aggregate)

6000 VS Veil Coat – covers approximately 30 square feet at 10 mils - consisting of the following -
1 container - Part A – (resin)
1 container - Part B – (catalyst)

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	16,000 psi	Water Absorption (ASTM C-413):	0.029%
Tensile Strength (ASTM D-638) <resin>:	12,000 psi	Working time at 75°F (24°C) (ASTM C-308):	15-20 minutes
Bond Strength (ASTM C-321):	Greater than 350 psi; 100% concrete failure	Shelf Life:	90 days
Coefficient of Thermal Expansion:	1.2×10^{-5}	Colors:	Gray, Red, Black
Impact Strength:	100 in./lbs.	Solids by Content:	By Weight: 95% By Volume: 95%
Indentation (MIL-D-3134F):	No indentation		

SURFACE PREPARATION:

6000 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. 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.

ULTRAPRIME - is a single component product, so it can be applied directly to the surface without mixing.

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.

Veil Coat - Empty entire contents of Part B into Part A and stir thoroughly for 2 minutes.

With all mixtures, be sure to apply them immediately after mixing. Do not allow the mortar to sit as this will substantially reduce the working time of the material.

APPLICATION:

Substrate temperature should be 65^o-85^oF (18^o-29^oC) during application and for 96 hours thereafter for complete cure. Do not apply if surface temperature is below 60^oF (16^oC). On concrete surfaces, first apply ULTRAPRIME Penetrating Moisture Cure Primer. Roll out thin, and allow to set for approximately 30-45 minutes (or until tacky) before proceeding. Apply 6000 VS 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 you plan to trowel within 2-3 hours. Using a mud board and trowel, use tennis ball sized quantities and spread mortar evenly over the surface firmly, and in a long wiping motion. Fill 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 thin with a squeegee.

CURE TIME:

6000 VS will harden within 2-3 hours; however, 96 hours cure time at 75^oF (24^oC) is required to maximize chemical resistance and development of physical properties.

CLEANUP:

Cured or hardened 6000 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. 6000 VS is manufactured using a styrene monomer, which gives off an odor during application. Customer is responsible for protecting employees and food products from these odors. Cured product poses no threat of odor contamination. 6000 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, 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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