

PRODUCT INFORMATION SHEET
6000 VS
VERTICAL SURFACES AND COVE
 Used with PF&L 6000 Series Floorings

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	16,600 psi <i>ASTM C-579 (resin)</i>
Tensile Strength	12,000 psi <i>ASTM D-638 (resin)</i>
Bond Strength	Greater than 350 psi <i>ASTM C-321</i> 100% concrete failure
Coefficient of Thermal Expansion	1.2 x 10 ⁻⁵ in./in./°F
Impact Strength	100 in./lbs.
Indentation	No indentation <i>MIL-D-3134F</i>
Water Absorption	0.029% <i>ASTM C-413</i>
Working Time at 75°F (24°C)	15-20 minutes <i>ASTM C-308</i>
Shelf Life	1 Year
Colors	Gray, Red, Black
Solids by Content	
<i>By Weight</i>	95%
<i>By Volume</i>	95%

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°-85°F (18°-29°C) during application and for 96 hours thereafter for complete cure. Do not apply if surface temperature is below 60°F (16°C). 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°F (24°C) 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.

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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