



AVM System 650SF

Pedestrian Deck Coating

55 Dry Mils, Low Odor, Urethane

Sections - 071800 / 071813 / 096700 / 096713

Product Name

AVM System 650SF

Manufactured by

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

The AVM System 650SF decking system is designed for everyday use and is a solvent free, low odor, liquid applied, moisture cured, urethane waterproof system. The AVM System 650SF elastomeric decking system consists of an epoxy primer, two coats of a polyurethane basecoat and one or more coats of a quick setting polyaspartic topcoat. The AVM System 650SF decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It is designed to expand and contract with normal structural movements. It will neither soften in heat nor embrittle in cold. The AVM System 650SF decking system can be used in a wide range of applications. Installed and maintained properly, the AVM System 650SF decking system will ensure years of waterproofing protection.

Features

- Seamless
- Low Odor
- Waterproof
- Meets California VOC and AQMD Requirements
- Elastomeric
- Chemical Resistance
- Recoatable

Typical Uses

- Balconies
- Patios
- Roof Decks
- Walkways
- Over Occupied Space

Product Instructions

For complete information associated with the application of all AVM Products, refer to the general guidelines documentation that describes the surface preparation, job conditions, finishing details and other necessary information.



Application

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines documentation. Apply AVM-U-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Polyester Tape pushing it into the AVM-U-260 with a trowel. Using AVM-U-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of AVM-U-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: If necessary, prime the surface with AVM primer U-21 or U-2180SC at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. Allow the Primer to become tack free before applying the next coat. (Primer is optional on new plywood.) Metal flashings should only be primed with AVM Primer U-2180SC.

Phase 3: Apply AVM-U-220SF to the substrate at a rate of 1 $\frac{3}{4}$ gallons/100 sq. ft. (0.61 liters/m²). For best results use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed AVM-U-220SF evenly over the entire deck resulting in a 28 \pm 2 dry mils (711 \pm 51 microns) thick membrane. Allow AVM-U-220 SF to cure a minimum of 16 hours.

Phase 4: Apply a second coat of AVM-U-220SF at a rate of $\frac{3}{4}$ gallons/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh's minimum hardness, at a rate of 20 lbs/100 sq.ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. This coat will result in an additional 12 \pm 2 dry mils (305 \pm 51 microns) thick membrane, exclusive of the aggregate. After allowing to cure, remove all loose aggregate.

Phase 5: Apply desired color of AVM U-Glaze 100SC topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results use a phenolic core roller. This coat will result in an additional 16 \pm 2 dry mils (406 \pm 51 microns) thick membrane.

Optional Fast Cure

Basecoat: The addition of AVM-U-50 will shorten cure time to 4 to 8 hours for each coat.

Sloping, Concrete Repair, Crack Filling

Use AVM Crete 6400 / 6200 and Acripach 5020 / 5010

Finished System

When applied as directed above, the AVM System 650SF decking system will provide 55 dry mils (1397 dry microns), exclusive of aggregate, of superior waterproofing protection. Requires a continuous coating application to minimize lines and/or streaking. Any optional adhesion test is to be performed seven days after product application.

Packaging

Primer U-21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A & One 5 gallon pail of Part-B).

Primer U-2180SC: 2 gallon kits (One 1 gallon can of Part-A & One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon can of Part-A & One 5 gallon can of Part-B)

AVM-U-220SF Basecoat: 1 gallon cans or 5 gallon pails.

AVM Staingard U-6000: 2 gallon kits (One 1 gal can of Part-A & One 1 gal can of Part-B)

Limitations

The following conditions must not be coated with these system materials: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, light-weight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the substrate and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Concrete cleaning (see general guidelines).

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

AVM Deck Coating Systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

For ease of application, solvent free (SF) materials should be applied in temperatures above 60°F (15°C).

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

AVM Industries assumes no liability for substrate defects.

Field visits by AVM Industries' personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

Warning

The products in this system contain Isocyanates, Solvent and Curatives.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local AVM Industries representative or visit our website for current technical data and instructions.

Limited Warranty

AVM Industries warrants its products to be free of manufacturing defects and that they will meet AVM Industries' current published physical properties. AVM Industries warrants that its products, when properly installed by a state licensed waterproofing contractor according to AVM Industries' guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by AVM Industries of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. AVM Industries shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. AVM Industries shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. AVM Industries reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and AVM Industries makes no claim that these tests or any other tests, accurately represent all environments.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit www.avmindustries.com

System Specifications

See below.

Item / Component	Packaging	Approx Shipping Weights	VOC
AVM Primer U-2180SC	2.0/10.0 gal. Kits	A.11.0 B.16.0 / A.56.0 B.85.0 lbs.	100 Grams/Liter
AVM U-220SF	1.0/5.0 gal. pails	11.0/53.0 lbs.	50 Grams/Liter
AVM Stainguard 6072SC	2.0/10.0 gal. Kits	A.12.5 B.10.7 / A.62.5 B.53.0 lbs.	100 Grams/Liter
AVM U-Glaze 100SC	1.0/5.0 gal. pails	11.0/52.0 lbs.	100 Grams/Liter

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

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Quality Waterproofing Products



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