



AVM 680SC Epoxy Primer

Two Component, High Solids Epoxy Primer

Sections - 071800/071816/096700/096713

Product Name

AVM 680SC-Epoxy Primer

Manufactured by

AVM Industries, Inc.
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Product Description

Composition: AVM 680SC Epoxy Primer is a two-component, high solids, liquid applied, epoxy-polyamine primer. The special blend of polyamine with small amounts of solvent gives unique penetrating characteristics and a rapid cure. It has a low viscosity and excellent adhesion to various substrates.

Where to Use

AVM 680SC Epoxy Primer is an epoxy polyamine primer suitable for use in AVM's 650SC, 680SC 680SCHD and other AVM waterproofing systems. It is specifically formulated to improve polyurethane elastomeric membrane adhesion to concrete and plywood and to properly treated metal. AVM 680SC Epoxy Primer is compliant with Southern California's AQMD's requirements.

Warranty:

AVM Industries warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any AVM materials prove to contain manufacturing defects that substantially affect their performance, AVM will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by AVM with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. AVM specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of AVM's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the AVM material in question

Delivery, Storage, and Handling

- Delivery of the 680SC-Epoxy Primer materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers and bags in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.



- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Installation

Surface Requirements: Successful bonding requires structurally sound and clean substrates. The substrate must be cleaned to ensure that it is free of all oils, any laitance, greases or other contaminants, such as concrete curing compounds, that may cause poor adhesion of the AVM 680SC Epoxy Primer. After cleaning, the surfaces should be rinsed thoroughly to remove loose particles and dust created during shot-blasting or grinding and traces of any cleaning chemicals which may have been used. Primers, adhesives, detailing, membranes, etc. should not be applied until the surface is dry.

Mixing Instructions: This primer may be diluted with small amounts of Xylene or Toluene, to the extent allowed by the local Air Quality Management authority. Addition of solvent extends the work life of the mixture and provides better surface penetration. Both Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. The AVM 680SC Epoxy Primer must always be mixed in the ratio of two parts Part-A with one part Part-B (Part-A: Part-B = 2:1). The combined components should be thoroughly mixed for at least 2 minutes. Induction time is not required.

Application: The AVM 680SC Epoxy Primer should be applied at the approximate rate of 1 gallon per 300 square feet. It can be applied using a brush or phenolic core roller. Actual coverage may vary based on job conditions and other factors.

Curing: Allow The AVM 680SC Epoxy Primer to become tacky to the touch (usually a typical dry time of 2-3 hours at 77°F) before filling cracks, joints, or applying the base or detail coating. Note: Temperature will affect the curing time of The AVM 680SC Epoxy Primer. Higher temperatures will significantly accelerate the cure time while colder temperatures will significantly retard the cure time. To improve cure/bond time in cooler temperatures, The AVM 680SC Epoxy Primer

may be pre-mixed and allowed to sit in the container for 10 to 15 minutes (the cooler the temperature, the longer the residence times) before application. In hot temperatures, the pot life of The AVM 680SC Epoxy Primer is significantly reduced therefore the residence time in the container after mixing should be kept very short. Recommended application temperature is greater than 10°C (50°F).

Equipment Cleanup: Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations. The primer is difficult to remove after it has cured.

Precautions

This product contains Epoxy Resin, Polyamine Hardeners and flammable solvent. Personnel applying these coatings should wear protective clothing, use respiratory protection, safety goggles and gloves. Avoid contact of material with skin or eyes and avoid breathing the solvent vapors. Mix and apply in well-ventilated areas and observe normal safety precautions required for solvent containing Epoxy materials. Read the SDS sheets before using this product. **This product is for professional use only.**

Quality Control

When applied as directed above, the film thickness per coat should be 4 ± 1 mills.

Striping: It is recommended that an Epoxy paint be used for line striping

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 next page.

Physical Properties

AVM 680SC-Epoxy Primer (AVM Part # **U-680SC-EP**) Two-component, high solids, liquid applied, epoxy-polyamine primer that meets or exceeds the following properties:

Physical Property	Typical Value	Test Method
Coverage Rate	300-400 ft ² /gal	
Film Thickness per Coat	4 ± 1 mills	
Hardness	70 ± 5 Shore D	
Shelf Life	12 months	
Specific Gravity Part-A Part-B	1.05 1.02	
Solids Content (Mixed)	92 ± 2%	ASTM D-1353
VOC Content	100 gm/l	Calculated
Viscosity at 24°C (75°F) Part-A Part-B	150 ± 50 cps 300 ± 50 cps	

Shelf Life

Twelve (12) months after manufacture when continuously stored indoors in the original unopened containers in accordance with AVM's storage conditions.

Packaging

The AVM 680SC Epoxy Primer is packaged in kit form. The **Volume Mixing** ratio is 2 parts Part-A to 1 part Part-B (Part-A / Part-B = 2:1). It is available in three (3) and fifteen (15) gallon kits.

Color

Part-A: Clear

Part-B: Light Amber

Item	Packaging	Approximate Shipping Weights	Coverages	VOC
U-680SC-EP Epoxy Primer	3 Gal Kit 15 Gal Kit	30 Lbs 144 Lbs	300-350 Sq.Ft./Gal	100 G/L

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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