



AVM Epoxy Primer 401

Two-Component, Solvent-Based, Epoxy-Polyamine Primer

Sections 071800 / 071813 / 071816
Fluid Applied Waterproofing

Product Name

AVM Epoxy Primer 401

Manufactured by

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

Product Description

AVM Epoxy Primer 401 is a two component, liquid applied, solvent-based, epoxy-polyamine primer with unique penetrating characteristics. This primer can be used over Concrete, Plywood, Metal Flashings and other Polyurethane and Acrylic Coatings.

Advantages

- Excellent Adhesion
- Low Viscosity
- Bonds to many different substrates and surfaces
- Easy to Clean
- Interior or Exterior

Where to Use

Epoxy primer 401 is a multi-purpose solvent-based Epoxy-Polyamine Primer. AVM Epoxy Primer 401 will bond to most substrates including concrete, wood, metal, glass-reinforced plastics, polyurethane elastomeric surfaces, and many other substrates. Using AVM Epoxy Primer 401 will allow you to apply many coatings to many different substrates when bonding is a challenge or when the ultimate adhesion is required.

Warranty

If sold as part of an AVM system, refer to that system's warranty for details. If sold as a stand-alone primer, AVM's standard 1 year material warranty applies. For complete warranty information, go to www.avmindustries.com.

Delivery, Storage, and Handling

- Delivery of the AVM Epoxy Primer 401 components must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Store at temperatures between 50°F and 95°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.
- Shelf life is one year from manufacturing date in sealed, unopened containers.



Project Conditions

- Do not apply materials at temperatures below 50°F, or if precipitation is imminent, or above 90°F if applying in direct sunlight.
- Provide adequate ventilation during installation.
- Warn personnel against hazards of materials to skin and eyes.
- Protect adjacent surfaces which could be damaged during the application.

System Application

Preparation: The substrate surfaces must be structurally sound, clean, dry, and free of efflorescence, dust, dirt, silicone, oil and other contaminants that would prevent the proper penetration and/or bonding of the AVM Primer 401 to the substrate. Joints or cracks should be sealed or filled prior to the application of the AVM Primer 401. AVM Primer 401 may be applied directly over other coatings as long as they are in good condition and properly attached to their substrates. For improved bonding and long-lasting adhesion, it is recommended to remove all existing coatings, paints, etc. prior to the application. Depending on existing conditions, additional preparation such as sandblasting or water-blasting might be required, especially when bonding to older cementitious surfaces (Concrete, blocks, slabs, bricks, etc). If you intend to apply the AVM Primer 401 over an existing coating or sealer, make sure it's clean (Pressure washing is highly recommended) and then do a test in a small area to ensure proper bonding. Metal flashings and other sheet metal-based surfaces need to be thoroughly cleaned and have all oils, grease etc removed. Lightly sanding these surfaces is highly recommended since it will significantly increase bonding.

Mixing: Mix part A separately for 60 seconds using a drill and clean paddle. Mix part B separately for 60 seconds using a drill and clean paddle. Then combine Part A and Part B into a single container and thoroughly mix for 2 additional minutes using a drill and clean paddle. (Product is supplied in kits, so no pre-measuring is required. Make sure to use the entire contents of both Part A and Part B) AVM Primer 401 is now ready to be applied. Do not mix more material than can be used within 20 minutes.

Installation

The AVM Primer 401 can be applied using a sprayer, a brush or a phenolic-resin-core roller. Do not over apply material. (Apply a thin coat). If necessary, after the first coat has cured, apply a second coat. Apply in an even and puddle-free application at the approximate rate of 300 sq.ft. per gallon. Where pinholes and small cavities are present in the concrete, these voids should be filled with primer and allowed to dry to prevent outgassing in succeeding coats of deck coating. Highly porous or difficult to paint substrates, such as split face or Routed blocks, raked joints, etc, may need a second coat to ensure complete and proper coverage and protection. A second application can be made any time after the first coat has sufficiently cured.

Quality Control

- Visually inspect all coated surfaces to ensure a full and proper coating application, especially at corners, pinholes, drainage scuppers and other hard-to-reach areas.
- All unsatisfactory areas shall be re-coated before proceeding with other coatings.

Protection of Installed Work

For best results the primed sections shall be protected from all pedestrian traffic until the primed sections are coated with the next waterproofing layer. (The amount of drying time may vary depending on temperature and humidity conditions).

Applying Coatings over the Primer

Allow primer to become thumbprint-tack free before applying the coating. (Primer will still be a little tacky) If fully cured, **reprime**.

Clean Up

Tools and equipment should be cleaned with an environmentally friendly solvent, as permitted by local regulations immediately after use.

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

Coverages: Coverage rate is approximately 300 sq.ft. per gallon. Coverage may vary based on project conditions, method of application and other factors.

Caution: Wear eye protection. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye irritation occurs, liberally flush for 15 minutes & consult a physician immediately.

Shelf Life: One year from date of manufacture in original, sealed, unopened containers.

**KEEP OUT OF REACH OF CHILDREN
DO NOT TAKE INTERNALLY**

Warning: Flammable Liquid. Avoid breathing vapors or spray mist. Avoid prolonged contact with skin. Will cause injury if ingested. Wash hands thoroughly with warm water and soap after use, especially prior to eating or smoking. Use with adequate ventilation. If any symptoms occur due to the usage or handling of this product, consult a physician immediately.

System Specifications:

Coverages: The following coverages are based on controlled tests. Actual coverages may vary.

Material	Over Concrete or Metal Surfaces	Over wood, sealed or textured surfaces	Over Porous Surfaces (CMU)
AVM Epoxy Primer 401	300 sq. ft./gal.	250 sq. ft./gal	150 sq.ft./gal

Packaging:

Item / Component	Packaging	Approx Shipping Weights	VOC
1 Gal Kit (Epoxy Primer 401)			
AVM Primer 401 Part A	1 gal.	11.0 lbs.	90 Grams/Liter
AVM Primer 401 Part B	1 gal.	16 lbs.	90 Grams/Liter

Technical Properties:

Physical property	Test Method	Results
Pot Life 75° @50% RH		60-90 minutes dry film
Dry Film Thickness Per Coat		4±1 mil
Specific Gravity		A-Side: 1.27±0.1
		B-Side: 1.85±0.1
Total Solids by Weight	ASTM D-2369	90%±2%
Total Solids by Volume	ASTM D-2697	84%±2%
Volatile Organic Compounds	ASTM D-2369-81	0.75 lbs/gal (90 g/L)

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

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