



AVM Top Coat 620-AL

Hybrid, Aliphatic, Polyurea Waterproofing Membrane Topcoat

Generic Spec

Section 071800 / 071816 / 096700 / 096713

Product Name

AVM Top Coat 620-AL

By

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

Product Description

AVM Top Coat 620-AL is a heavy duty, two-component, fast setting, rapid curing, solvent free, high solids, hybrid aliphatic polyurea elastomeric membrane that provides long lasting protection to the coated surfaces. Top Coat 620 may be applied in single or multiple coats and can be installed in temperatures as low as 20°F (-7°C).

Where to Use

AVM Top Coat 620-AL is intended for use as the Top Coat for Polyurethane Pedestrian and Vehicular Deck Coating Systems. It can also be applied to properly prepared interior or exterior concrete, plywood, and metal surfaces.

Warranty

Contact AVM Industries for warranty details.

Delivery, Storage, and Handling

- Delivery of all the system materials to the job site must be in their original sealed containers and bags, 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.
- 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 Preparation: Surface must be clean and dry. When installing over Aussie Membrane 520 (base coat), the base coat must be fully cured and tack free.

Mixing: Premix Part A and Part B components using a low-speed mechanical mixer until a homogeneous mixture and color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

Application: Apply at the recommended coverage rate using a roller, notched squeegee, or trowel. When applying an aggregate coat, (sand layer) Apply the aggregate evenly at the appropriate rate into the wet coating and if desired, back-roll. (see AVM System 620 installation instructions).

Top Coat 620-AL requires a continuous coating application to minimize lines and/or streaking. For proper adhesion between coats, re-coating must be done within 8-12 hours.

Curing: At 75°F (24°C) and 50% relative humidity, allow each coat to cure a minimum 2-4 hours. Cure time will vary depending on temperature and humidity. If more than 24 hours passes between coats, reprime surface with AVM Primer 400, Primer 410, or Primer 680.

Allow a minimum 16 hours before permitting light pedestrian traffic and at least 60 hours before heavy traffic. Cure time will vary depending on temperature and humidity.

Cleanup: All cleanup should be done in accordance with local regulations.

Limitations: The following conditions must not be coated with **AVM Top Coat 620-AL**: Split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and non-structural lightweight concrete.

Surfaces must be dry, clean, and free of foreign matter. Containers that have been opened must be used as soon as possible. Do not dilute with solvent.

Maintenance

Contact AVM for Details

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.

Item	Packaging	Approx. Shipping Weights	Coverages	VOC
Top Coat 620-AL (Part A & B Combined)	4.4 Gal Kit	45.5 lbs	100 Sq.Ft./Gal	60 g/l
Part-A (Net Contents 4 Gallons / 15.4 Liters)	5 Gal Bucket	~42.0 lbs	—	60 g/l
Part-B (Net Contents 0.4 Gallons / 1.54 Liters)	½ Gal Bucket	~ 3.5 lbs	—	60 g/l

Top Coat 620-AL Aliphatic Top Coat (AVM Part # U-620-ALTC) Two-component, fast setting, rapid curing, solvent free, high solids, hybrid aliphatic polyurea elastomeric membrane that meets or exceeds the following properties:

	Top Coat 620-AL Part A	Top Coat 620-AL Part B	
Mis Ratio by Volume	10A : 1B	10A : 1B	
Dry Film Thickness per Coat	15 ± 2 mils 381 ± 50µ	14 ± 2 mils 356 ± 50µ	
Pot Life @75°F (24°C), 50% R.H.	30 ± 10 minutes	30 ± 10 minutes	
Cure Time @75°F (24°C), 50% R.H.	2-4 Hours	2-4 Hours	
Total Solids by Weight	94 ± 2%	88 ± 2%	ASTM D-2669
Total Solids by Volume	94 ± 2%	87 ± 2%	ASTM D-2697
Hardness	85 ± 5 Shore A	85 ± 5 Shore A	ASTM 2240
Tensile Strength	3200 ± 200 psi 22.1 ± 1.4 MPa	3200 ± 200 psi 22.1 ± 1.4 MPa	ASTM D-412
Ultimate Elongation	450 ± 50%	450 ± 50%	ASTM 412
Adhesive Peel Strength on Primed Concrete	40 ± 10 pli 7.0 ± 1.7 kN/m	40 ± 10 pli 7.0 ± 1.7 kN/m	ASTM D-903
Moisture Vapor Transmission	1.54 perms	1.54 perms	ASTM E-96
Water Absorption	1.3% by weight	1.3% by weight	ASTM D-471
Tear Resistance	300 ± 20 pli 52.6 ± 8.8 kN/m	300 ± 20 pli 52.6 ± 8.8 kN/m	ASTM D-624
Volatile Organic Compounds	<0.12 lb/gal <15 gm/liters	<0.5 lb/gal <60 gm/liters	ASTM D-2369-81
U.V. Stability, Q Panel Weather O-Meter (no cracking or crazing; no physical damage)	2000 Hours	2000 Hours	

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

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

Quality Waterproofing Products



www.avmindustries.com