



TECH DATA SHEET

Sections - 071000 / 071400 / 071416

AVM System 620V

Vehicular Traffic Coating

Hybrid, Aliphatic, Polyurea Deck Coating System for Vehicular Traffic

Generic Spec

Section 071800 / 071816 / 096700 / 096713

Product Name

AVM System 620V

AVM System No.

AVM System 620V

By

AVM Industries, Inc.
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Product Description

The **AVM System 620V** is a two component, fast setting, rapid curing, solvent free, high performance, and high solids Polyurea/urethane MMA polymer waterproof membrane that can be applied suitably to heavy duty wearing surface applications on prepared interior or exterior concrete, under asphalt overlays, plywood and metal surfaces.

Where to Use

Typical uses include Vehicular asphalt and concrete parking decks, pedestrian walkways, patios, stairways, sun rooms, metal roofs, etc.

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

Coverage: Coverage for 1 mil thickness is one gallon of 620-AL (Aliphatic Urethane 620) per 1520 sq. ft. Follow installation guidelines on specific Technical Data Sheet for mil thickness requirements.

Surface Preparation: Ensure substrate is smooth and does not contain any voids or protrusions. **AVM System 620V** can be installed over green concrete given that the surface is hard to the touch.

Mixing: 620-AL (Aliphatic Urethane 620) cannot be diluted under any circumstances and should not be estimated. Proportions are pre-measured. Using a mechanical mixer, first pre-mix Part -A & Part-B separately. Mix thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour Part-B into Part-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part-A and Part-B mixture thoroughly until uniform color is obtained.

Application: Examine the surface of the deck for pinholes. Where pinholes exist, use 620-AL (Aliphatic Urethane 620) as a fast cure primer by mixing the material at a 4:1.25 mix ration, and adding approximately 10% xylene and spread with a magic trowel to fill pinholes. Generally, 30 minutes after the pinholes are filled, the undiluted wear coat can begin at the normal 4:1 ratio.

Once both parts have been thoroughly mixed, pour mixed material out in a stream along short side of the deck and spread material out with a notched squeegee until desired thickness is achieved (please refer to separate application Technical Data Sheets). The pot life of 620-AL (Aliphatic Urethane 620) is 8-10 minutes. Primer is not required.*

Vehicular Traffic Application

For applications that involve vehicular traffic over System 620, two separate layers of System 620 is required. For this application, ensure the substrate is suitable and any/all pinholes have been filled. Once the substrate is suitable and the 620-AL (Aliphatic Urethane 620) is mixed per the instructions above, pour mixed material out in a stream and spread the material out with a notched

squeegee until base coat is measured at minimum of 20 dry mils thick. Allow the first layer to cure 30 minutes prior to casting sand/aggregate into the tack base coat.

Once the coat is firm enough to not allow sand to sink to refusal, broadcast 16-30 silica sand into the base coat. Allow the base coat to sit another 30 minutes prior to installation of the second aliphatic top coat. Once the 30 minutes has passed after broadcasting the sand, pour more mixed 620-AL (Aliphatic Urethane 620) over the top of the sand at a minimum of 20 dry mils thick. Allow top coat to properly cure. No backrolling or primer needed.

Equipment Cleanup

Coating typically skins over within 15-45 minutes and cures through in 3-7 days depending on temperature, humidity, and thickness. Lower temperatures and humidity can prolong cure time. Higher temperatures accelerate cure time. Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Shelf Life

1 Year of date of manufacture when stored in recommended conditions.

Limitations

Do not open until ready to use. Any off ratio mixing of the product will affect the properties and the product may not cure. This product contains Isocyanates and Curative Material.

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 below and next page.

* Epoxy primer may be needed for proper adhesion and/or moisture control.

AVM System 620V Technical Information

Property	AVM 620-AL Mixture	Test Method
Solids by Volume	95%	
Pot Life (min @ 75 degrees F, 50% RH)	9 minutes	
Tack Free Time	3-4 hours	
Hardness	80 +/- 3 A	ASTM D-2240
Tensile Strength	2500 +/- 100psi	ASTM D-412
Elongation	800 +/- 100%	ASTM D-412
Tear	300 +/- 25 pli	ASTM D-624
Split Tear	100 +/- 10 pli	ASTM D-470
Volatile Organic Compounds	0.49 lb/gal gm/liter	ASTM D-2369-81
Peel in Adhesion	327/36.7MPa	ASTM D-4541

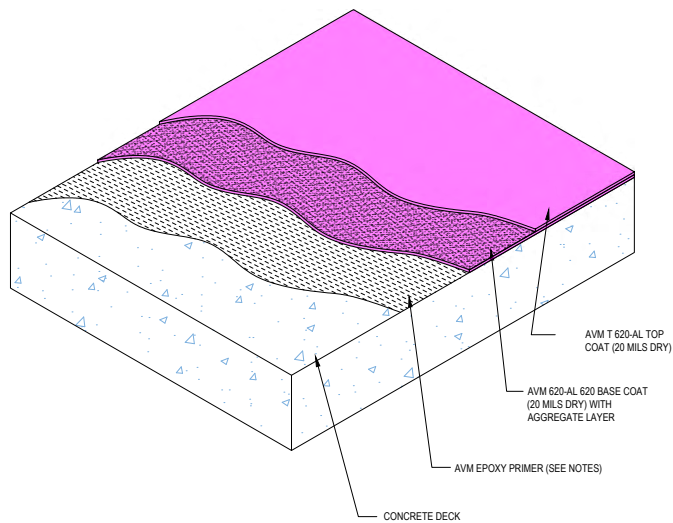
Packaging

Item	Packaging	Approx Shipping Weights	No. of Kits per Pallet	Pallet Weights	VOC
620-AL 1 Gal Kit Part-A	0.8 Gallon	9 Lbs	180 Part-A on Pallet 1	1,680 Lbs	0.00 lb/gal
620-AL 1-Gal Kit Part-B	0.2 Gallon	21 Lbs	180 Part-B on Pallet 2	465 Lbs	0.00 lb/gal
620-AL 5-Gal Kit Part-A	4 Gallons	45 Lbs	48 Part-A on Pallet 1	2,220 Lbs	0.00 lb/gal
620-AL 5-Gal Kit Part-B	1 Gallon	11 Lbs	48 Part-B on Pallet 2 (12 Boxes)	598 Lbs	0.00 lb/gal

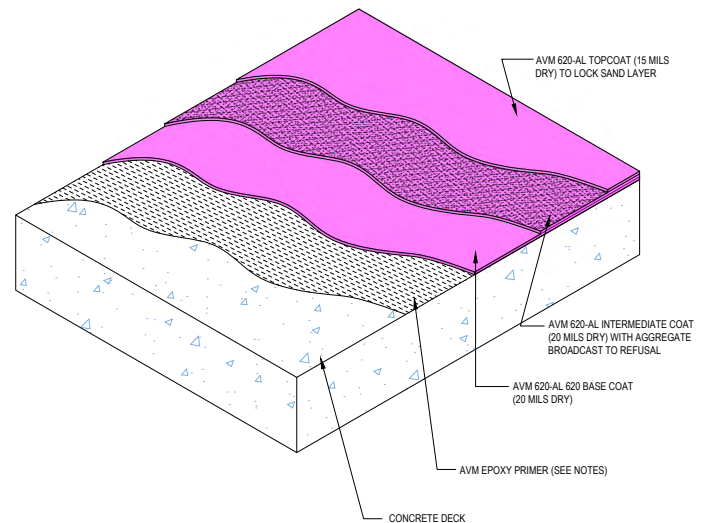
Coverages

Item	Coverage Rate
AVM 620-AL Aliphatic – Applied as a Base Coat Layer at 20 Dry Mills Thick	80 sqft/gal
AVM 620 AL Aliphatic – Applied as a Top Coat Layer at 20 Dry Mills Thick	80 sqft/gal
AVM 620 AL Aliphatic – Extra Coating on Ramps/Turn Radii/Heavy Traffic Areas if needed at 15 Dry Mills Thick	100 sqft/gal

Typical Vehicular Assembly Over Concrete



Maximum Slip Resistance for Heavy Traffic Areas



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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