



Aussie Coat® 620V Vehicular Traffic Coating

Hybrid, Aliphatic, Polyurea Deck Coating System for Vehicular Traffic

Generic Spec

Section 071800 / 071816 / 096700 / 096713

Product Name

Aussie Coat® 620V

AVM System No.

Aussie Coat® 620V

By

AVM Industries, Inc.
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Product Description

The **Aussie Coat® 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, mechanical rooms, etc.

Warranty

This system is eligible for a 5 year material warranty if installed per the data sheet instructions. The warranty period may be extended 5 years upon an inspection by AVM and a 15 mil recoat by an approved applicator.

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 the substrate is smooth and does not contain any large voids. Protrusions should be flattened by grinding or hammering. **Aussie Coat® 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 premix 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 approximately 15 minutes. Primer is not required on porous untreated concrete, but adhesion test are recommended to verify. Primer may be required for moisture control and/or installation over a preexisting urethane coating.

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.

While the coating is still tacky but firm, broadcast 16 mesh or greater silica sand into the base coat. A mock up should be completed to ensure slip resistance and appearance prior to full system application. 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. Backrolling is not required but may be utilized to help achieve a uniform finish. Primer is not required between coats. Allow a minimum of 12 hours before allowing traffic on the system.

Equipment Cleanup

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.

Aussie Coat[®] 620V Technical Information

Property	Results	Test Method
Specific Gravity	Side A: 1.05 ± 0.1 Side B: 0.99 ± 0.1	
Hardness	80 ± 3	ASTM D-2240 Shore A
Pot Life (min @ 75°F [24°C], 50% RH)	15 ± 5 minutes	
Tack Free Time	3-4 Hours	
Tensile Strength	2500 ± 100 pli (17.2 ± 0.7 kN/m)	ASTM D-412
Elongation	800 ± 100%	ASTM D-412
Tear	300 ± 25 pli (52.5 ± 4.4 kN/m)	ASTM D-624
Viscosity, at 75°F (24°C)	Side A: 1500-2500 cps Side B: 50-150 cps	
Total Solids by Volume	97%	ASTM D-2697
Volatile Organic Compounds	<0.49 lbs/gallon (59 gm/liter)	ASTM D-2369-81

AVM System 620V is compliant with CSA S413-14

Packaging

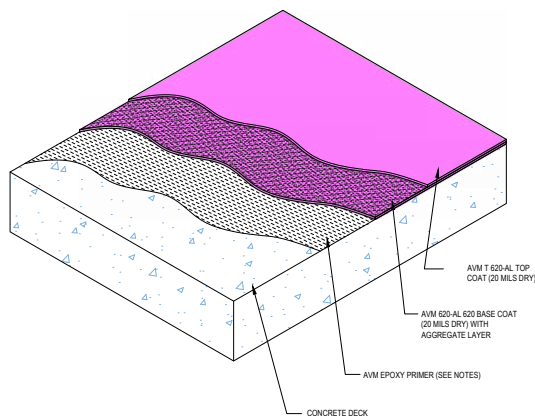
Item	Packaging	Approx Shipping Weights	No. of Kits per Pallet	Pallet Weights	VOC
620-AL 1 Gal Kit Part-A	0.8 Gallon	9 Lbs	180 Part-A on Pallet 1	1,680 Lbs	0.00 lb/gal
620-AL 1-Gal Kit Part-B	0.2 Gallon	21 Lbs	180 Part-B on Pallet 2	465 Lbs	0.00 lb/gal
620-AL 5-Gal Kit Part-A	4 Gallons	45 Lbs	48 Part-A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

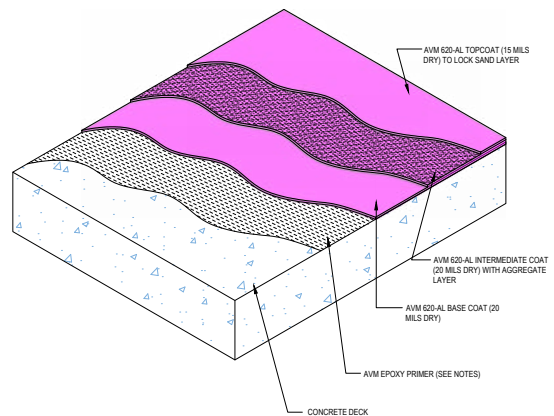
Item	Coverage Rate
AVM 620-AL Aliphatic @ 30 Mils	55 sqft/gal
AVM 620-AL Aliphatic @ 20 Mils	80 sqft/gal
AVM 620-AL Aliphatic @ 15 Mils	105 sqft/gal

Note: These are theoretical coverage rates and may vary depending on substrate types or if used as a topcoat over sand.

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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