



AVM System 520 Aussie Membrane 520

Heavy Duty Below Grade Polyurethane Waterproofing Membrane

Generic Spec

Section 071000 / 071400 / 071416
Fluid Applied Waterproofing

Product Name

AVM System 520, Aussie Membrane

AVM System No.

AVM System 520

By

AVM Industries, Inc.
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Product Description

The **AVM Aussie Membrane 520** is a vapor-proof, Gray liquid polyurethane, which dries to a tough, seamless flexible waterproof membrane. The **Aussie Membrane 520** is a single component cold-applied polyurethane liquid. It exhibits excellent adhesion, strength, elongation and recovery properties.

Where to Use

Retaining Walls: Waterproof below-grade, concrete, block walls, basements, etc.

Planters: Waterproof planters and other landscaping features.

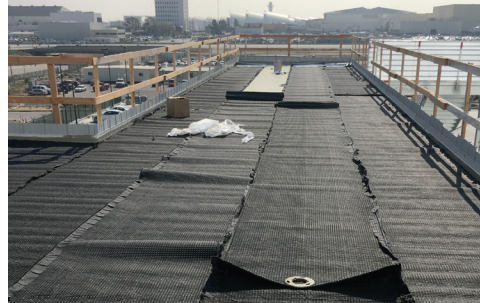
In-between slab waterproofing: To provide a sandwich membrane in-between two concrete slabs or over wood decks that will receive a topping slab. Also used as an under-tile membrane when an un-bonded mud-bed or thick-set type assembly is required.

Warranty

AVM Industries will warranty the installed membrane for a period of five (5) years. Ten (10) year warranties are also available. For complete warranty details, contact AVM Industries or consult with your applicator.

Delivery, Storage, and Handling

- Delivery of all the **AVM System 520** materials to the job site 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 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.



- Failure to comply with the recommended storage conditions may result in premature deterioration of the product. For specific storage advice, please contact AVM Industries and/or its representatives.
- 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.

Project Conditions

- All surfaces to which the **Aussie Membrane 520** is applied to must be sound and stable, with an even finish and free from dust, loose debris, grease, curing agents, etc.
- Do not apply materials at temperatures below 40°F and falling or if precipitation is imminent. Do not apply materials in direct sunlight at temperatures above 100°F or rising.
- Warn personnel against hazards of materials to skin and eyes. Note other hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Read the **AVM System 520** Installation Instructions Prior to Installation.

Green/Wet Concrete: Concrete substrates do not need to be fully cured. Depending on weather conditions and other factors, the **Aussie Membrane 520** may be applied to concrete that's been cured a minimum of seven (7) days. Depending on the amount of moisture, epoxy primer 400 may be needed. Do not apply the Aussie Membrane to waterlogged surfaces. Verify adhesion via a properly conducted pull test. Contact AVM for details.

Non-Vented Decks: For installation requirements over Non-Vented Decks, refer to the Aussie Membrane 520 Installation Instructions.

PSI: On traffic bearing surfaces, concrete substrates shall achieve a min compression strength of 2000 psi prior to installation.

Quality Control

- Visually inspect all coated surfaces to ensure a full and proper coating application, especially at corners, drainage footings and other hard-to-reach areas.
- All unsatisfactory areas shall be repaired prior to final acceptance.

Protection of Installed Work

- The completed section shall be protected for the first 24 hours after application or until the surface is sufficiently cured. (The amount of drying time may vary depending on temperature and humidity conditions)
- Always protect the waterproofing from possible damage. Use Drainage Boards or AVM Approved Protective Panels. Refer to the "Installation Instructions" or to the "Aussie Membrane 520 Min Thickness Table" for protection 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.

Packaging	Approximate Shipping Weights	VOC
AVM Aussie Membrane 520, 4.75 gal. pails	Approx 58 lbs.	75 Grams/Liter

Technical Information	Standard Values	Test Results
Color	Gray	
Coverage: (Varies depending on substrate)	125 sq.ft./Bucket @ 60 Dry Mills	
Service Temperature	-25°F-177°F (-31°C to +80°C)	
Application Temperature	40°F-100°F (+4°C to 38°C)	
Low Temperature Flexibility	-40°F (-40°C)	No cracking at -40°F
Tensile Strength (MPa)	≥1.90	2.79
Elongation at break	≥520%	726%
Tearing Strength (N/mm)	≥12	15
Water Impermeability (at 0.3MPa, 30 minute duration)	Impermeable	Impermeable
Solid Content	80+%	95%+
Tack Free Time (Hours) ¹	≤12	≤10
Curing Time (Hours) ²	≤24	≤20

1. Based on controlled tests. Tack free times will vary based on thickness, temperature, humidity and other job conditions.
2. Based on controlled tests. Cure times will vary based on thickness, temperature, humidity and other job conditions

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

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