AVM System 500
Aussie Membrane 500
Heavy Duty Below Grade Bituminous Waterproofing Membrane

Sections 071000 / 071400 / 071416
Fluid Applied Waterproofing

Product Name
Aussie Membrane 500
AVM System 500

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

Product Description
The AVM Aussie Membrane 500 is a Water-Based rubber/bitumen liquid membrane modified with high performance rubberized polymers giving it excellent adhesion, which dries to a tough, black seamless flexible waterproof membrane. The Aussie Membrane 500 is a single component thixotropic cold-applied bitumen paste that exhibits excellent elongation and recovery properties. The AVM Aussie Membrane 500 has excellent long-term stability (maintains its properties over very long periods of time) un-like other below grade systems (including polyurethane based systems) that Crack and become brittle as they age.

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 a mud-bed or concrete slabs or over wood decks that will receive a topping slab. Also used as an under-tile membrane when a 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
a. Delivery of all the AVM System 500 materials to the job site must be in their original sealed containers, with manufacturer’s name and label intact.
b. Handle and store containers in accordance with printed instructions.
c. 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.
d. 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.
e. Keep all materials out of the reach of children.
f. If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions
1. All surfaces to which the Aussie Membrane 500 is applied to must be sound and stable, with an even finish and free from dust, loose debris, grease, curing agents, etc.
2. The Aussie Membrane 500 may be applied to damp but not waterlogged surfaces (Green Concrete).
3. 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.
4. 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.
5. Protect adjacent surfaces which could be damaged during the application procedure.
6. This system must not be used to cover Expansion Joints.

System Application
Read the AVM System 500 Installation Instructions Prior to Installation, Application instructions vary based on type of application and the type of surfaces it’s being applied to. For specific application procedures, refer to, or download the appropriate installation instructions. (For Retaining Walls, refer to the “Retaining Walls Installation Instructions”. For Planters, refer to the “Planters Installation Instructions”, etc.) Basic installation procedures are also provided in the “Spec Data Sheet” of each type of installation. For a complete/comprehensive set of instructions, however, please refer to the “Installation Instructions” documents.

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

Protection of Installed Work
a. 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)
b. Always protect the waterproofing from possible damage. Use AVM Foam Board, AVM Drainage Boards or AVM Approved Protective Panels. Refer to the “spec Data Sheets” or to the “Aussie Membrane 500 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.
The following coverages are based on controlled tests. Actual coverages may vary.

**Technical Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Dark brown. After drying: black</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.189 gr/cm²</td>
<td></td>
</tr>
<tr>
<td>Coverage: (Varies depending on substrate)</td>
<td>18 sq.ft./Gal. (90 sq.ft./Bucket) @ 60 Dry Mills</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Non-flammable</td>
<td></td>
</tr>
<tr>
<td>Service Temperature</td>
<td>15ºF-177ºF (-10ºC to +80ºC)</td>
<td></td>
</tr>
<tr>
<td>Application Temperature</td>
<td>42ºF-132ºF (+5ºC to +55ºC)</td>
<td></td>
</tr>
<tr>
<td>Solid Content</td>
<td>64%</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>&gt;15.4 Lbs (&gt;7 kg)</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>&gt;1000%</td>
<td>ASTM D 412</td>
</tr>
<tr>
<td>Resistance to water pressure 1 tm 24 hr</td>
<td>Passed</td>
<td>ASTM D751</td>
</tr>
<tr>
<td>Water vapor transmission</td>
<td>4.0 gr/m² 24 hr</td>
<td>ASTM D 96</td>
</tr>
<tr>
<td>Recovery</td>
<td>85%</td>
<td>IS 1536</td>
</tr>
<tr>
<td>Creep At 177ºF (80ºC)</td>
<td>No Creep</td>
<td>DIN 52123</td>
</tr>
<tr>
<td>Resistance to Standing Water</td>
<td>Passed</td>
<td>ASTM D 2939</td>
</tr>
<tr>
<td>Bacterial Attack in soil 30 days @ 105ºF (40ºC)</td>
<td>Passed</td>
<td>ASTM D 2939</td>
</tr>
<tr>
<td>Crack bridging</td>
<td>&gt;3/16&quot; (&gt;5mm)</td>
<td>IS 1731</td>
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<tr>
<td>Certifications</td>
<td>ISO 9002, Green Label, I.Q. Net (International Certification Network)</td>
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</table>

**Item / Component**

<table>
<thead>
<tr>
<th>Item / Component</th>
<th>Packaging</th>
<th>Approx Shipping Weights</th>
<th>VOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVM Primer 500</td>
<td>2.0/5.0 gal. pails</td>
<td>2.0/5.0 gal. 15/39 lbs.</td>
<td>15 Grams/Liter</td>
</tr>
<tr>
<td>AVM Aussie Membrane 500</td>
<td>5.0 gal. pails</td>
<td>5.0 gal. 52.5 lbs</td>
<td>19 Grams/Liter</td>
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</tbody>
</table>

Retaining Wall with Aussie Membrane

In-Between Slab Waterproofing

Block Walls with Aussie Membrane

Planter with Aussie Membrane

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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