AVM System 502
Aussie Membrane 502
2-Part Heavy Duty Below Grade Bituminous Waterproofing Membrane

Sections 071000 / 071400 / 071416
Fluid Applied Waterproofing

Product Name
Aussie Membrane 502
AVM System 502

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 502 is a 2-part 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 502 is a cold-applied liquid bitumen that exhibits excellent elongation and recovery properties. The Aussie Membrane 502 has excellent long-term stability (maintains its properties of 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 thick-set type assembly is required.

Lagging Systems, Blind Side Waterproofing: To waterproof Lagging assemblies and other blind side waterproofing applications.

Vapor Barriers: To provide a vapor barrier under slabs poured on grade to prevent the rising of moisture through the slabs. For both dry and submerged (tanked) applications.

Methane Barriers: To provide a Methane barrier to prevent the migration of Methane gas through the concrete slabs and retaining walls.

Green Roofs (Roof Gardens): For waterproofing roofs and other areas that will be turned into gardens or areas that support vegetation, plants, trees, etc. (Complete system includes membrane, root barrier, drainage mat, drains, light weight soil, etc.)

Roof Paver System: For waterproofing of roofs (including over living space) and other areas in which a paver system will be installed. (Such as pavers over pedestals).

Warranty
Basic Warranty: Five (5) years. Longer warranties are also available. (Up to 20 years on some systems/applications) For complete warranty options and details, contact AVM Industries or consult with your applicator.

Delivery, Storage, and Handling
a. Delivery of all the AVM System 502 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 rinse affected areas with water. If irritation continues, see a physician immediately.

Project Conditions
1. All surfaces to which the Aussie Membrane 502 is applied to must be sound and stable, with an even finish and free from dust, loose debris, grease, curing agents, etc. (for under-slab, lagging, etc, see under separate cover)
2. The Aussie Membrane 502 may be applied to damp but not waterlogged surfaces (Green Concrete).
3. Apply materials in temperatures of 40°F and rising. (Applications in temperatures below 40°F require special procedures) Do not apply materials if precipitation is imminent or in direct sunlight at temperatures above 100°F or rising. For applications at temperatures below 40°F, contact AVM for cold weather installation procedures.
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 502 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 a Lagging System, refer to the “Lagging System 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 II 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>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 502</td>
<td>264 Gal Totes</td>
<td>264.0 gal. 2,200 lbs / 1,000 kg (1-Ton)</td>
<td>19 Grams/Liter</td>
</tr>
</tbody>
</table>

### Mixing / Spraying Information

- **Mixing Ratio**: Accelerator (Salt water): Pour the 55 lbs of salt into 32-35 gallons of water
- **Spraying Ratio**: 1 Gallon accelerator (salt water) to 9 gallons of bitumen

For membrane thickness and drainage board requirements refer to the “Aussie II Min Thickness Table”

### Coverage Tables (for U.S. and Metric Measurements)

<table>
<thead>
<tr>
<th>To Get</th>
<th>60 Mils Dry</th>
<th>90 Mils Dry</th>
<th>100 Mils Dry</th>
<th>120 Mils Dry</th>
<th>160 Mils Dry</th>
<th>180 Mils Dry</th>
<th>240 Mils Dry</th>
<th>270 Mils Dry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply</td>
<td>100 Mils Wet</td>
<td>150 Mils Wet</td>
<td>160 Mils Wet</td>
<td>200 Mils Wet</td>
<td>160 Mils Wet</td>
<td>300 Mils Wet</td>
<td>400 Mils Wet</td>
<td>450 Mils Wet</td>
</tr>
<tr>
<td>For 100 sqft</td>
<td>5.75 Gallons</td>
<td>8.75 Gallons</td>
<td>9.5 Gallons</td>
<td>11.5 Gallons</td>
<td>15 Gallons</td>
<td>17.25 Gallons</td>
<td>23 Gallons</td>
<td>26.25 Gallons</td>
</tr>
<tr>
<td>To Get</td>
<td>1.5 mm Dry</td>
<td>2.25 mm Dry</td>
<td>2.5 mm Dry</td>
<td>3.0 mm Dry</td>
<td>4.0 mm Dry</td>
<td>4.5 mm Dry</td>
<td>6.0 mm Dry</td>
<td>6.75 mm Dry</td>
</tr>
<tr>
<td>Apply</td>
<td>2.4 mm Wet</td>
<td>3.6 mm Wet</td>
<td>4.0 mm Wet</td>
<td>4.8 mm Wet</td>
<td>6.4 mm Wet</td>
<td>7.2 mm Wet</td>
<td>9.6 mm Wet</td>
<td>10.8 mm Wet</td>
</tr>
<tr>
<td>For M²</td>
<td>2.4 kg/m²</td>
<td>3.6 kg/m²</td>
<td>4.0 kg/m²</td>
<td>4.8 kg/m²</td>
<td>6.5 kg/m²</td>
<td>7.3 kg/m²</td>
<td>9.6 kg/m²</td>
<td>10.8 kg/m²</td>
</tr>
</tbody>
</table>

### Item / Component

- **AVM Primer 500**: 2.0/5.0 gal. pails
- **AVM Aussie Membrane 502**: 264 Gal Totes

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

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