TECH DATA SHEET

Sections - 071000 / 071400 / 071416

AVM INDUSTRIES INC

AVM System 502
Aussie Membrane 502

2-Part Heavy Duty Below Grade Bituminous Waterproofing Membrane

ICC ESR-2503
L.A. RR#: 25550

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 AVM 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 flush 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 "Tech Data Sheets" 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		
Color	Emulsion: Dark brown. Membrane: black	
Specific Gravity	1 gr/cm²	
Solid Content	60% +/- 2%	
Flash Point	Non-flammable	
Service Temperature	15ºF-140ºF (-10ºC to +60ºC)	
Application Temperature	40ºF-100ºF (+5ºC to 40ºC)	
Heat Stability	>194°F (>90°C)	ASTM D 2939
Cold Flexibility	-4ºF (-20ºC)	ASTM D 522
Low Temperature Flexibility and Crack Bridging	Pass, Conducted @ -15ºF (-26°C)	ASTM D 836
Tensile Strength	>0.1 MPa (>14.2 psi)	ASTM D 412
Elongation at break	>1200%	ASTM D 412
Resistance to water pressure	>1 atm, 24 hr (>14.7 psi, 24 hr)	DIN 52123
Water vapor permeance	0.35 Perms	ASTM E 96
Recovery (at 800-900% elongation)	>85%	ASTM D 412
Creep At 212ºF (100ºC)	No Creep	DIN 52123
Resistance to Standing Water	Passed	ASTM D 2939
Bacterial Attack in soil 30 days @ 105ºF (40ºC)	Passed	ASTM D 3083
VOC (Volatile Organic Content)	20 Grams/Liter	
Crack bridging	>3/16" (>5mm)	IS 1731
Approvals / Certifications	ICC, LARR, ISO 9002, Green Label, I.Q. Net (International Certification Network)	

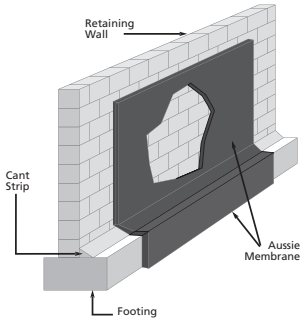
Mixing / Spraying Information	
Mixing Ratio	Accelerator (Salt water): Pour the 55 lbs of salt into 32-35 gallons of water
Spraying Ratio	1 Gallon accelerator (salt water) to 9 gallons of bitumen

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

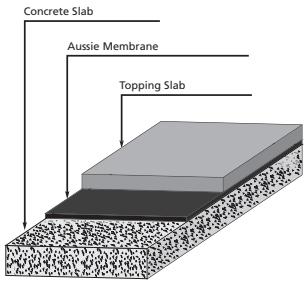
Coverage Tables (for U.S. and Metric Measurements)								
To Get	60 Mils Dry	90 Mils Dry	100 Mils Dry	120 Mils Dry	160 Mils Dry	180 Mils Dry	240 Mils Dry	270 Mils Dry
Apply	100 Mils Wet	150 Mils Wet	160 Mils Wet	200 Mils Wet	160 Mils Wet	300 Mils Wet	400 Mils Wet	450 Mils Wet
For 100 sqft	5.75 Gallons	8.75 Gallons	9.5 Gallons	11.5 Gallons	15 Gallons	17.25 Gallons	23 Gallons	26.25 Gallons
To Get	1.5 mm Dry	2.25 mm Dry	2.5 mm Dry	3.0 mm Dry	4.0 mm Dry	4.5 mm Dry	6.0 mm Dry	6.75 mm Dry
Apply	2.4 mm Wet	3.6 mm Wet	4.0 mm Wet	4.8 mm Wet	6.4 mm Wet	7.2 mm Wet	9.6 mm Wet	10.8 mm Wet
For M²	2.4 kg/m²	3.6 kg/m²	4.0 kg/m²	4.8 kg/m²	6.5 kg/m²	7.3 kg/m²	9.6 kg/m²	10.8 kg/m²

Item / Component	Packaging	Approx Shipping Weights	VOC
AVM Primer 500	2.0/5.0 gal. pails	2.0/5.0 gal. 15/39 lbs.	15 Grams/Liter
AVM Aussie Membrane 502	264 Gal Totes	264.0 gal. 2,200 lbs / 1,000 kg (1-Ton)	19 Grams/Liter

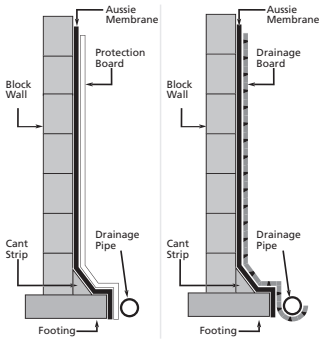
Retaining Wall with Aussie Membrane



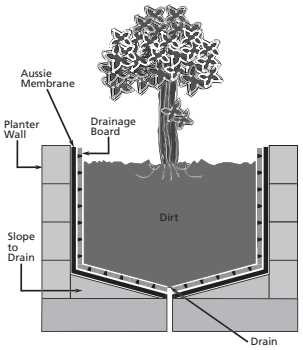
In-Between Slab Waterproofing



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

AVM INDUSTRIES INC

www.avmindustries.com

AVM INDUSTRIES INC

AVM Mat 800
Polyester Reinforcing Fabric

Polyester Reinforcing Fabric

Product Name

AVM System 800

Manufactured by

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

Product Description

AVM Mat 800 is a 3 oz/Sq. Yard polyester reinforcing fabric used in multiple waterproofing systems and applications.

Where to Use

Reinforcing fabric is used in multiple AVM Systems (AVM Systems 100, 500, 502, 520, 700 & 750). Refer to each system's technical data for more information.

Warranty

Refer to each system's warranty for more information.

Delivery, Storage, and Handling

a. a. Delivery of all the AVM mat 800 rolls to the job site must be in their original packaging, with manufacturer's name and label intact.

b. Handle and store containers and bags 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. Bags must be kept dry!

d. Keep all materials out of the reach of children.

e. If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

Refer to each system's technical data for more information.

System Application

Refer to each system's technical data for more information.

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.

Average Typical Properties	
Weight	3.0-3.2 oz. per square yard
Gauge	18
Fiber	100% Polyester
Yarn	100% Polyester
Tensile Strength (1" Jaws – ASTM D 5034)	
Warp	74 Lbs
Fill	45 Lbs
% Elongation at break (ASTM D 5034)	
Warp	21.3
Fill	51.3
Ball Burst (ASTM D3787	111
Thickness (ASTM D 1777)	.018

These average typical properties are the average results of random tests conducted on this fabric and are not to be construed as performance specifications.

Item / Component	Packaging	Approx Shipping Weights	VOC
AVM Mat 800, 40"	40"x324' roll (1080 Sq.Ft.)	22.6 Lbs	N/A
AVM Mat 800, 12"	12"x300' roll	6.4 Lbs	N/A
AVM Mat 800, 6"	6"x300' roll	3.0 Lbs	N/A
AVM Mat 800, 40" Mini	40"x81' roll (200 Sq.Ft.)	6.2 Lbs	N/A
AVM Mat 800, 6" Mini	6"x81' roll	1.0 Lbs	N/A

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

AVM INDUSTRIES INC

www.avmindustries.com

TECH DATA SHEET

Sections 031100 / 031500 / 031513.16

AVM Aussie Swell® Red (The Red Waterstop) Expandable Waterstop

AVM System 940, Aussie Swell® Red, Expandable Bentonite Waterstop

Sections Section 031100 / 031500 / 031513.16 Expandable Waterstop

Product Name

AVM Aussie Swell® Red

Manufactured by

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

Product Description

Aussie Swell Red is a hydrophilic strip waterstop and that is a formulated blend of sodium bentonite & butyl rubber. Aussie Swell Red is an active waterstop which reacts with water to seal construction joints within concrete. The seal resists hydrostatic pressure, stopping the passage of water through the joint. Due to the sodium bentonite content, on contact with water, Aussie Swell Red will swell (expand) within its confinement, self-injecting into localized voids & minor fissures. Aussie Swell Red is an active waterstop designed to replace passive PVC/Rubber waterbars, without the need for pre-formed intersections, split forming or seam welding.

Where to Use

Aussie Swell Red can be applied to concrete, steel or pipe (PVC). Coil ends are butt jointed (not overlapped) to form a continuous waterstop. Use in concrete joints, pipe penetrations, wall-to-floor joints, irregular surfaces, etc.

Advantages

- Non-dimensional swell allows complete injection to surrounding voids.
- Conformable – can be applied to a range of irregular substrates.
- Resists in excess of 6 bar (60m) hydrostatic pressure.
- Swells many times more than its dry volume to form impenetrable gel.
- Simple butt jointing on site application.
- Reproducible swell after wet-dry cycle.
- Unaffected by freeze/thaw cycling.

Limitations

- Aussie Swell Red is not designed to function in movement/expansion joints.
- Aussie Swell Red is designed for minimum 2000 PSI reinforced concrete. Furthermore, it requires confinement and it must be covered by minimum 3" concrete on all sides.
- Aussie Swell Red should not be subjected to submersion or remain in contact with water prior to concrete pour. If the product exhibits any considerable swell prior to concrete pour it must be replaced.
- In conditions where sever ground water or chemical contamination exists or is expected consult manufacture for approval

Warranty

AVM's Standard 5-year material warranty applies. Contact AVM for warranty information.

Delivery, Storage, and Handling

a. Delivery of all the Aussie Swell Red® components to the job site must be in their original sealed packaging, with manufacturer's name and label intact.

b. Store indoors in a cool DRY place (away from heat or moisture) 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.

c. Keep all materials out of the reach of children.

Project Conditions

a. Do not apply materials at temperatures below 20°F, or above 110°F if applying in direct sun light.

System Application

Use AVM's Aussie Seal M as the adhesive to install the Aussie Swell Red waterstop. Refer to the Aussie Swell Red Installation instructions, for detailed Installation procedures.

Quality Control

Visually inspect the installed Aussie Swell Red product to ensure it is properly adhered to substrate and that it has not been subjected to premature hydration. Consult with manufacturer if you have any questions.

Protection of Installed Work

The completed Aussie Swell Red system shall be protected until concrete is poured over it. Maximum exposure to UV is 30 days.

Availability and Cost

Contact an AVM authorized distributor for availability and pricing.

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.

Item/Component	Item Size	Qty / Box	Qty per Pallet	Weights			VOC
				Each	Box	Pallet	
Aussie Swell Red Coil	16.4 LF (5M)	6 Coils	216 Coils (36 Boxes)	8.58 lb	53.7 lbs	1937 lbs	N/A
Aussie Seal M Cartridge	10.1 oz (300 ml)	12 Cartridges	105 Boxes / 1260 Cartridges	1.0 lb	12.2 lbs	1281 lbs	15 g/l
Aussie Seal M Sausage	20 oz (600 ml)	12 Sausages	45 Boxes / 540 Sausages	2.0 lb	24.4 lbs	1098 lbs	15 g/l

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

AVM INDUSTRIES INC

www.avmindustries.com

AVM INDUSTRIES INC

AVM Aussie Tube®

AVM System 950, Aussie Tube® Injection Grouting System

Section 036400
Injection Grouting

Product Name
AVM Aussie Tube®

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 Tube is an Injection Tubing System designed for injecting grout into concrete walls, cold-joints and other critical areas.

Where to Use
The Aussie Tube is typically installed at cold joints, walls with blind-side waterproofing systems, concrete joints, etc. The Aussie Tube is installed during the rebar installation phase and will remain embedded in the concrete in critical areas where grout will be injected into at a later date.

Warranty
All information is given in good faith and without any warranty. The application, use and processing of these products are beyond our control and therefore entirely your responsibility. Established liability if any, through bad application or any other reason, for any damages, is always limited to the value of the Aussie Tube goods supplied to that project.

Delivery, Storage, and Handling
a. Delivery of all the Aussie Tube® components to the job site must be in their original sealed packaging, with manufacturer's name and label intact.
b. Store in a cool dark place 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.
c. Keep all materials out of the reach of children.

Project Conditions
Do not apply materials at temperatures below 20°F, or above 110°F if applying in direct sunlight.

System Application
Install the Aussie Tube Injection System in accordance with AVM's Installation Instructions.

Preparation of Substrates
Concrete surfaces must be structurally sound, clean, dry, free of contamination, without sharp edges that could cut or damage the tubing system.

Aussie Tube Components: (100 ft kit)
- Aussie Tube (Injection Tube) – Black spongy tube (100 foot roll)
- Aussie Tube Feeder Hose – Clear plastic Feeder Hose
- Aussie Tube Elbow – Quick Connect elbow connector
- Hose Clamps – Clamps to secure both tubes.
- Aussie Tube Plugs (Optional) – End caps to close Aussie Feeder Tube.

Installation (See diagrams below)
1. Cut the Aussie Tube to the desired length. Max length per run is 30 feet!
2. Cut two pieces of Feeder Hose (approx. 12" – 18" each)
3. Lay out the Aussie Tube in the desired location.
4. Connect the Aussie Tube to the Quick Connect Elbow by forcing it into the elbow all the way in.
5. Connect the Feeder Tube to the Quick Connect Elbow by forcing it into the elbow all the way in.
6. Secure the entire assembly to the footing with the clamps every 2 feet as shown on the diagram.
7. Plug the Feeder Tube ends with the Plugs or seal the edges with Duct Tape.
8. Install the next Aussie Tube run with a minimum 6" overlap. (As shown in the diagram

Quality Control
a. Visually inspect all the Aussie Tube Injection System components to ensure proper and secure installation.
b. All unsatisfactory areas shall be repaired prior to final acceptance.

Protection of Installed Work
The completed Aussie Tube system shall be protected until concrete is poured over it. Maximum exposure to UV is 30 days.

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.

Aussie Tube (Injection Tube) 100% polyethylene (imperishable) and equipped with a special water-repellent coating	
Diameter	internal: 1/4 inch / external: 1/2 inch
Wall thickness	1/8 inch
Length	Max. 30 feet per run / Sold in 100' kits and bulk
Weight	6 lbs. per kit
Temperature range	max 170 °F
Compression resistance	60 Foot of Concrete
Flow rate	Approx. 7 Gal/HR/FT (depending on the viscosity of the resin)
Color	Black

The Aussie Tube is made from expanded PE foam with porous structure with cells that form a zigzag passage. The cells open under pressure of the injected resin. The special water-repellent coating prevents the penetration of concrete milk into the tube's pores. The injection hose allows an optimal and uniform spread of the resin, which will be pre-injected upon concrete cure or injected in a later stage in case of leakages.

Aussie Tube is ideal for the injection of the following resins:
- Polyurethane Chemical Grouts
- Acrylate Injection Resins
- For other injection resins, consult our technical service specialist

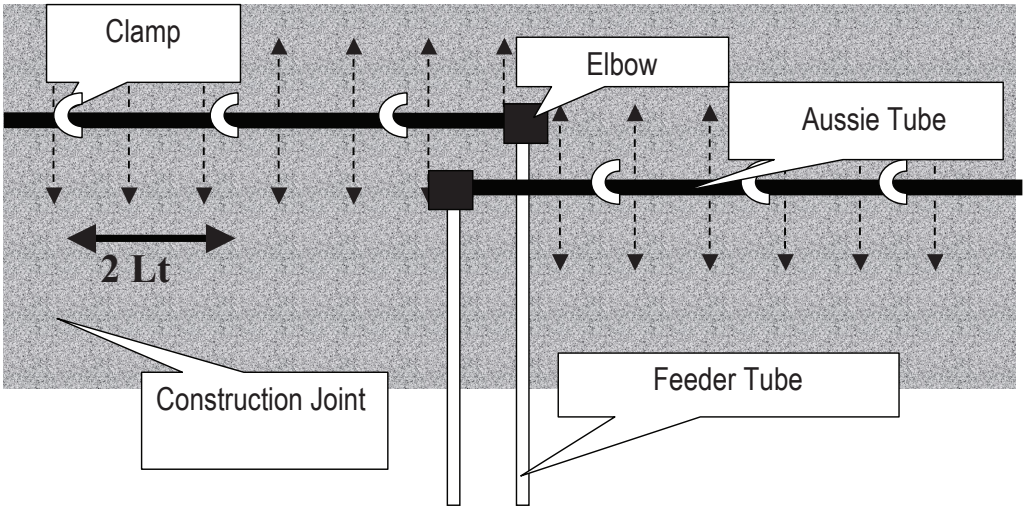
Aussie Tube Feeder Hose	
Material	crystal-clear, transparent PVC hose with woven polyester fibres
Length	depending on the thickness of the concrete wall
Concrete height	max. 50 feet
Temperature range	Up to 60°C / 140°F

The Feeder Hose forms the end of the Aussie Tube system, which extends out of the form work. At the end of this hose an injection nipple can be connected later on for the injection process.

Aussie Tube (Quick Connect) Elbow

This snap on connection forms the union piece between the Aussie Tube (injection tube) and the Feeder Hose. The Aussie Tube and the Feeder Hose are fastened by a simple push and pull movement in the 90° Elbow.

Step 1: Push Tube/Hose into Elbow **Step 2: Pull Tube/Hose Gently to secure**



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Quality Waterproofing Products

AVM INDUSTRIES INC

www.avmindustries.com

Aussie Seal® M Marine-Grade Sealant/Adhesive

Thermal and Moisture Protection

Sections 071000
Fluid Applied Waterproofing

Product Name

Aussie Seal® M

Manufactured by

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

Product Description

Aussie Seal® M is an extra heavy duty, easy to install, Marine-Grade moisture cure polyether Sealant / Adhesive formulated for applications above the water line or after curing below the water line and in areas where solvent based materials are not tolerated. **Aussie Seal® M** is solvent free and contains no isocyanates. It will not shrink upon curing, will not discolor when exposed to U.V., and will not "out-gas" or bubble on damp surfaces as urethane sealants often do. The sealant has resilient elastomeric properties and excellent adhesion to most substrates. It can be used effectively in many difficult conditions, cures rapidly in dry or wet climates, (including under freshly poured concrete) and low temperatures compared to urethane based materials.

Where to Use

As a stand-alone sealant or adhesive or in conjunction with many types of waterproofing systems including Below grade bituminous and polyurethane membranes, HDPE Membranes, Acrylic and Urethane Deck Coatings, etc. **Aussie Seal® M** was specifically designed to be used with AVM's waterproofing systems including AVM System 100, Elasto Fiberdeck®, AVM System 100 Forevercoat®, Aussie Membrane® 500, Aussie Membrane® 502, Aussie Skin® 550, Aussie Hot Rubber 570, Aussie Mate® 580-AL, AVM System 650, AVM System 680, AVM System 700 and AVM System 750.

Aussie Seal® M may be applied to many substrates including galvanized and bondarized metal, steel, aluminum, copper, cast iron, PVC and ABS pipes, acrylic coatings, polyurethane coatings, HDPE (Aussie Skin sand side and HDPE side), bitumen (Aussie Membranes 500/502), to the aluminum side of Aussie Mate® 580-AL, wood, glass and many other common substrates.

Substrate Preparation:

Bonding surfaces must be clean, dry and free of oxidation, mill oils, wax, and release agents that may interfere with adhesion. Dry and fully cure painted surfaces before bonding. Alcohol and ammonia water are effective cleaners for surface preparation. Abraded or irregular surfaces are acceptable bonding surfaces but must be clean and sound.

Application Method:

Aussie Seal® M is a gun grade material that is applied from caulking guns, high viscosity pump guns, or automated bead application equipment. This product sets rapidly upon exposure to moisture. Open containers must be quickly protected from atmospheric moisture. Mask off areas that must be protected from adhesives. Allow the assembly to cure for 30 minutes to an hour before handling or machining. When bonding two impermeable materials, brief separation and reassembly of the bonding surfaces to expose the adhesive to atmospheric moisture will often accelerate the cure. In extremely dry environments, local humidification may be needed to initiate curing. Low temperature will retard the cure reaction and heat will accelerate the cure reaction. Optimum application temperatures are between 60°F to 100°F (16°C to 38°C). Sealant can be applied at temperatures as low as 20°F (-7°C). For applications below 20°F, refer to cold weather application procedures below.

Aussie Seal® M is a moisture cure sealant that in most cases can be installed in wet or damp environments. Typical cure time is 12-24 hours depending on thickness of sealant and environmental conditions. Do not subject the un-cured sealant to hydrostatic conditions. However, in some cases, it may be allowed. Contact your AVM rep for details.

Cold Weather Application (20°F – 50°F) - Keep the sealant warm prior to use. (Store in a warm room or tent at 70°F) Apply the sealant while still warm. If needed, use a heat gun to blow hot air to pre-heat the substrates. Check for proper adhesion once installed.. In very cold weather this may take 14+ days.

If your project requirements do not conform to the above requirements, please contact your local AVM rep for further instructions.

Warranty

AVM warrants **Aussie Seal® M**'s performance, provided it is properly stored and applied within 1 year. If **Aussie Seal® M** is proved to be defective, return remaining product and purchase receipt for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects or failure of this product. User must read and follow the direction of the current Technical Data Sheet and SDS prior to product use. User determines suitability of product for intended use and assumes all risks. AVM shall not be liable for damages (including consequential or incidental damages) in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. **This warranty is in lieu of all other warranties, written or oral, statutory, express or implied including any warranty of merchantability or fitness for a particular purpose**; except for the above express warranty given by AVM, the product is sold with all faults. **AVM shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others.** For additional warranty claim information, call 818-888-0050.

Delivery, Storage, and Handling

a. Delivery of all the **Aussie Seal® M** materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.

b. Shelf Life: Twelve months from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life. Pails have a shelf life of six months.

c. Store at temperatures between 50°F and 75°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.

e. Keep all materials out of the reach of children.

Quality Control

a. Visually inspect all coated surfaces to ensure a full and proper application, especially at penetrations, seams, corners, drainage footings and other hard-to-reach areas.

b. All unsatisfactory areas shall be repaired prior to final acceptance.

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**

The following coverages are based on controlled tests. Actual coverages may vary.

Technical Information		
Viscosity	1,200,000 +/- 400,000 cp at 72°F 22°C)	Brookfield RVF, TF spindle, 4 RPM
Density	11.8 +/- 0.2 lbs per gallon	ASTM D1475
Tack Free Time	20 +/- 10 min	45 +/- 5 % R.H.
Elongation at Break	275 - 325%	ASTM D412
Tensil Strength	325 - 375 psi	ASTM D412
Hardness Shore A	38 - 42	ASTM C661
Low Temp. Flex	-10°F (-23°C) Pass1/4 inch mandrel	ASTM D816
VOC Content	Less than 15 g/l	ASTM D2369
Shrinkage	No visible shrinkage after 14 days	
Service Temp.	-40°F to 200°F / -40°C to 93°C	

20 oz Sausages, 5 gallon pails and 50 gallon drums are available by special order. Standard color is gray. White or Black are available by special order.

All properties described in this document are derived from testing conducted in laboratory conditions. Properties and performance will vary depending on environmental conditions and application technique. Test and evaluate to determine appropriate usage. Visit www.avmindustries.com for the Safety Data Sheet and pertinent documentation.

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

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050

Quality Waterproofing Products

AVM INDUSTRIES INC

www.avmindustries.com

AVM INDUSTRIES INC

AVM Drain Board 6000/6020

Prefabricated Drainage Composites

Sections 334600 / 334613 / 334616 / 334619 / 334633

Prefabricated Drainage Composites

Product Name

AVM Drain Board 6000/6020

Manufactured by

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

Product Description

Provides protection for waterproofing systems and managing subsurface water around building foundations. Soil backfill is retained while allowing water to pass into the drainage system providing hydrostatic relief. Collected water is then conveyed to AVM Bottom Drain 6" or AVM Bottom Drain 12", or other collection systems.

Consists of an impermeable polymeric sheet cuspated under heat and pressure to form a high flow dimpled drainage core. The core is then bonded to a layer of nonwoven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

Where to Use

AVM Drain Board 6000/6200 is ideal for use with foundation walls, retaining walls, planters, roof gardens, bridge abutments, and under slabs.

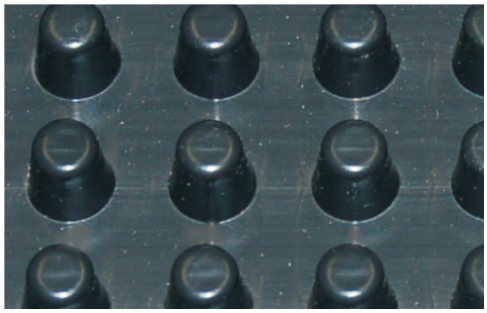
AVM Drain Board 6000 / 6020

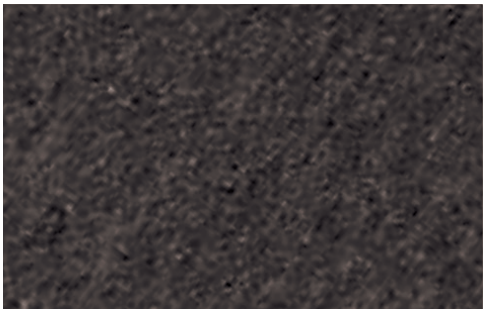
Maintains a very high flow rate while providing a higher compressive strength for greater depths. A very popular choice for vertical and horizontal single sided drainage applications. Moderate duty.

AVM Drain Board 6000XL / 6020XL*

Designed for extra heavy duty vertical and horizontal applications that demand greater compressive strength and improved filtration for challenging soil conditions. Heavier duty drain core & fabric.

* 6020 and 6020XL are identical to 6000 and 600XL with the addition of a membrane protective film on the back side.





Delivery, Storage, and Handling

a. Packing and shipping: Provide materials in original unopened containers with manufacturer's labels intact and legible.

b. Acceptance at site:

1. Unload materials: check for damage.
2. Damaged materials determined by visual inspection will not be accepted.
3. Remove rejected materials from site immediately.

b. Storage and protection:

1. Store materials in dry area in manufacturer's protective packaging with labels and installation instructions intact.
2. Store materials under cover, off ground; protect from sunlight.
3. Transmissivity or Flow Q with hydraulic gradient of 1 with confining stress indicated in MANUFACTURED UNITS Article in accord with ASTM D4716-01

Project Conditions

1. All surfaces to which the Drainage Boards are applied to must be clean, sound and stable enough to properly attach and hold onto the drain boards being installed.
2. Warn personnel against hazards of working with this product. Sharp edges, weight, etc. Note other hazardous conditions on the job that might require special attention or extra protective gear and or any other special protective or safety procedures.
3. Protect adjacent surfaces which could be damaged during the application procedure.

Inspection of Substrates

1. Verify 1% slope to underslab collection pipes or site water drainage system at underslab drainage system location substrate.
2. Examine conditions and substrates where products specified in this section are installed; submit written notification of unacceptable conditions or substrates.

System Application

Refer to installation instructions.

Quality Control

a. Visually inspect all drain board surfaces to ensure a full and proper drain board system 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

Always protect the waterproofing and drainage system until fully covered with dirt, concrete, shot-crete, etc.

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.

Physical Properties

Core	6000/6020	6000XL/6020XL
Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm²)	16,500 psf (790 kNm²)
Thickness (ASTM D-1777)	.40" (10.16 mm)	.40" (10.16 mm)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)	21 g/min/ft (260 L/min/m)

Fabric	6000/6020	6000XL/6020XL
Flow (ASTM D-4491)	140 gal/min/ft^{22} (5704 L/min/m²)	110 gal/min/ft² (4482 L/min/m²)
Puncture (ASTM D-4833)	65 lbs. (.30 kN)	95 lbs. (.42 kN)
AOS (EOS)	70 U.S. Sieve (.212 mm)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)	160 lbs. (.71 kN)

General Characteristics					
Roll Length	**Roll Width**	**Roll Weight (approx. lbs.)**			
		6000	**6020**	**6000XL**	**6020XL**
50 ft. (15.24 m)	4.0 ft. (1.22 m)	39.0	40.5	45.0	46.5
50 ft. (15.24 m)	6.5 ft. (1.98 m)	63.0	65.5	73.0	75.5
50 ft. (15.24 m)	8.0 ft. (2.43 m)	82.0	85.0	95.0	98.0

Notes:
AVM Drain Board 6000 in 4' and 6.5' widths are stocked items.
All other drain board versions are "Special Order" items. Allow 2 weeks lead time for special order items.
For pricing and availability of special order items, please contact AVM Industries or your local distributor.

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

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888.414.1041 818.888.0050

Quality Waterproofing Products

AVM INDUSTRIES INC

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TECH DATA SHEET

Sections - 334600 / 334616.16 / 334619.16 / 334623.19

AVM Drain Board 9000/9020/9080

Prefabricated Drainage Composites

Sections 334600 / 334616.16 /
334619.16 / 334623.19

Prefabricated Drainage Composites

Product Name

AVM Drain Board 9000 / 9020 / 9080

Manufactured by

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

Product Description

Drain Board for Horizontal Applications:
AVM Drain Board 9000 provides protection for waterproofing systems and collecting excess water in planters, rooftop gardens, and other horizontal surfaces such as in-between slab waterproofing applications. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core. The collected water is then conveyed to a proper collection system.

Where to Use

AVM Drain Board 9000/9020/9080 is ideal for use with planters, roof gardens, plaza decks, split-slabs, and under slabs.

AVM Drain Board 9000

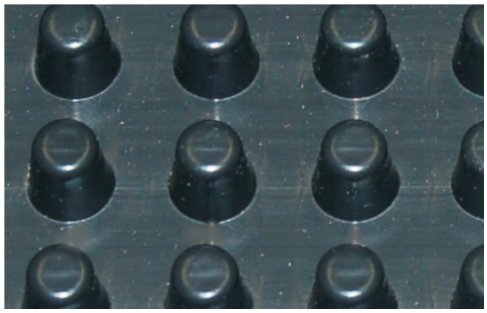
Consists of a heavy duty impermeable polymeric sheet cuspated under heat and pressure to form a high flow dimpled drainage core. The core is then bonded to a layer of woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

AVM Drain Board 9020

The identical properties as AVM Drain Board 9000 with the addition of a protection sheet bonded to the back side of the cuspated core providing protection for soft membrane waterproofing systems. AVM Drain Board 9020 is compatible with waterproofing without the use of a protection board.

AVM Drain Board 9080

Consists of a heavy-duty impermeable polymeric cuspated sheet bonded to a layer of heavy-duty non-woven filter fabric (8 oz./sq. yd).



Delivery, Storage, and Handling

a. Packing and shipping: Provide materials in original unopened containers with manufacturer's labels intact and legible.

b. Acceptance at site:

1. Unload materials: check for damage.
2. Damaged materials determined by visual inspection will not be accepted.
3. Remove rejected materials from site immediately.

b. Storage and protection:

1. Store materials in dry area in manufacturer's protective packaging with labels and installation instructions intact.
2. Store materials under cover, off ground; protect from sunlight.
3. Transmissivity or Flow Q with hydraulic gradient of 1 with confining stress indicated in MANUFACTURED UNITS Article in accord with ASTM D4716-01

Project Conditions

1. All surfaces to which the Drainage Boards are applied to must be clean, sound and stable enough to properly attach and hold onto the drain boards being installed.
2. Warn personnel against hazards of working with this product. Sharp edges, weight, etc. Note other hazardous conditions on the job that might require special attention or extra protective gear and or any other special protective or safety procedures.
3. Protect adjacent surfaces which could be damaged during the application procedure.

Inspection of Substrates

1. Verify 1% slope to underslab collection pipes or site water drainage system at underslab drainage system location substrate.
2. Examine conditions and substrates where products specified in this section are installed; submit written notification of unacceptable conditions or substrates.

System Application

Refer to installation instructions.

Quality Control

a. Visually inspect all drain board surfaces to ensure a full and proper drain board system 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

Always protect the waterproofing and drainage system until fully covered with dirt, concrete, shot-crete, etc.

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.

Physical Properties

Core	9000/9020	9080
Compressive Strength (ASTM D-1621)	21,000 psf (1005 kNm²)	21,000 psf (1005 kNm²)
Thickness (ASTM D-1777)	.40" (10.16 mm)	.40" (10.16 mm)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	21 g/min/ft (261 L/min/m)	21 g/min/ft (261 L/min/m)

Fabric	9000/9020	9080
Flow (ASTM D-4491)	145 gal/min/ft² (5907 L/min/m²)	95 gal/min/ft² (3866 L/min/m²)
Puncture (ASTM D-4833)	100 lbs. (.44 kN)	130 lbs. (.58 kN)
AOS (EOS)	40 U.S. Sieve (.42 mm)	90 U.S. Sieve (.18 mm)
Grab Tensile (ASTM D-4632)	355 lbs. (1.62 kN)	205 lbs. (.90 kN)

General Characteristics				
Roll Length	**Roll Width**	**Roll Weight (approx. lbs.)**		
		9000	**9020**	**9080**
50 ft. (15.24 m)	4 ft. (1.22 m)	50.0	50.0	
50 ft. (15.24 m)	8 ft. (2.43 m)	100.0	100.0	

Notes:
All AVM Drain Board 9000 versions are “Special Order” items. Allow 2 weeks lead time for special order items.
For pricing and availability of special order items, please contact AVM Industries or your local distributor.

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

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050

Quality Waterproofing Products

AVM INDUSTRIES INC

www.avmindustries.com

SAFETY DATA SHEET

Date of issue: 09/12/2015 Date of revision: 09/12/2015 Version no.: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Aussie Membrane

1.2 Relevant identified uses of the substance or mixture and uses advised against

Indentified uses of the mixture Waterproofing
underground structures. Waterproofing
basements & cellars. Waterproofing wet duty
rooms.
Protection and dump proofing of underground concrete elements.
Waterproofing covered roofs and verandas.

1.3 Details of the supplier of the safety data sheet

AVM Industries, Inc.
8245 Remmet Ave
Canoga Park, Ca 91304
(818) 888-0050

E-mail address of person responsible for this SDS: **emergencies@avmindustries.com**

1.4 Emergency telephone number

Emergency telephone number (with hours of operation):
8:00 AM – 5:00 PM 818-888-0050
After hours and weekends: (818) 424-0082 / (818) 456-9737

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to 29 CFR 1910.1200 (OSHA HCS): Not classified

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP): Not classified

See section 16 for the full text of the H-statements declared above.

2.2 Label elements

Labelling according to 29 CFR 1910.1200 (OSHA HCS) Hazard pictogram(s): Not required
Signal word: Not required
Hazard statement(s): Not required
Precautionary Statement(s): Not required

Labelling in accordance with Regulation 1272/2008 (CLP) Hazard pictogram(s): Not required
Signal word: Not required
Hazard statement(s): Not required
Precautionary Statement(s): Not required

2.3 Other hazard
Not available

SECTION 3: Composition/information on ingredients

3.1 Mixtures:

Ingredient name	Identifiers	%	CLP Classification	OSHA HCS
Bitumen (Residues (petroleum), vaccum)	CAS number: 64741-56-6 EC number: 265-057-8	30-40	Not classified	Not classified
Polychlorobutadiene	CAS number: 9010-98-4 EC number: N/A	10-20	Not classified	Not classified
Solvent naphtha (petroleum), heavy arom.	CAS number: 64742-94-5 EC number: 265-198-5	<1	Asp. Tox.1 H304	Asp. Tox.1 H304

See section 16 for the full text of the H-statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Take off contaminated clothing and shoes immediately unless stack to the skin. Wash off with soap and plenty of water for at least 10 minutes. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed
See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed
Not available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
Suitable: Foam, carbon dioxide, dry powder.
Not suitable: Water jet

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products: Hydrogen chloride, hydrogen sulfide, oxides of sulfur and calcium, irritating and toxic gases.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.
Move containers from fire area if possible without risk.
Water spray may be used to keep fire exposed containers cool.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill. Keep away from sources of ignition.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid mechanical actions that can release respirable dust of crystalline silica. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep containers tightly closed, in dry, cool and well ventilated place.
Protect from direct sunlight and high temperature. Do not store together with strong oxidizing agents, acids.
In tropical climates the product must be stored in an air-conditioned environment.
In cold climates the product must be stored in heated environment over 50°F (10°C). Do not freeze. Shelf life is 12 months when stored as above.

SECTION 8: Exposure control/personal protection

8.1 Control parameters

N/A

8.2 Exposure controls

Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Avoid mechanical actions that can release dust of crystalline silica.

Person Protective measures

Respiratory protection: Mask and filter. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses or goggles.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Brown paste
Odour: N/A
Odour threshold: N/A
pH: 8-11
Melting point/Freezing point: N/A
Initial boiling point/boiling range: N/A
Flash point: Non flammable
Evaporation rate: N/A
Flammability: Non flammable
Upper/lower flammability or explosive limits: N/A
Vapor pressure: Practically non-volatile
Vapor density: N/A Relative
Density: N/A Solubility(ies):
Insoluble in water
Partition coefficient Octanol/Water: N/A
Auto-ignition temperature: N/A
Decomposition temperature: 100°C
Viscosity: N/A
Explosive properties: N/A
Oxidizing properties: N/A

9.2 Other information

Density at 25°C: 1.15 (±0.05) gr/cm^3

SECTION 10: Stability and reactivity

10.1 Reactivity

Not available.

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use.

10.4 Conditions to avoid

Direct sunlight and high temperature.

10.5 Incompatible materials
Strong oxidizing agents and acids.

10.6 Hazardous decomposition products
Other decomposition products: not available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Product/ingredient name	Test	Species	Dose
Polychlorobutadiene	LD50, oral	Rat	> 40000 mg/kg
Solvent naphtha (petroleum), heavy arom.	LC50, Inhalation LD50, Administration onto the skin	Rat Rabbit	>590 mg/m^3, 240 min >2 ml/kg

Skin corrosion/irritation: Not available Serious

eye damage/irritation: Not available

Respiratory or skin sensitization: Not available

Germ cell mutagenicity: Not available

Carcinogenicity: Not available.

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Other symptoms:
Potential acute health effects:
Inhalation: Inhaling steam in high concentration may have negative effect on respiratory system and lungs.
Ingestion: May cause irritation to mouth and digestion system.
Skin contact: May cause sensitization and irritation by skin contact.
Eyes contact: May cause irritation to eyes.
Other symptoms: Headaches, dizziness, vomiting and loss of concentration.
Repeated exposure may cause dermatitis and allergic reaction.
Chronic exposure may cause harm to respiratory system.

SECTION 12: Ecological information

12.1 Toxicity
Bitumen forms a layer when released in water and may be harmful to aquatic organisms.

12.2 Persistence and Degradability
Not available

12.3 Bioaccumulative potential
The material is a soil and water sources pollutant.

12.4 Mobility in soil
Insoluble in water

12.5 Results of PBT and vPvB assessment
Not available

12.6 Other adverse effects
Not available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing
Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1 Un number

ADR/RID: -	IMDG: -	IATA: -	DOT (US): -

14.2 UN proper shipping name
ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

DOT (US): Not regulated

14.3 Transport hazard class(es)

ADR/RID: -	IMDG: -	IATA: -	DOT (US): -

14.4 Packing group

ADR/RID: -	IMDG: -	IATA: -	DOT (US): -

14.5 Environmental hazard

ADR/RID: -	IMDG: -	IATA: -	DOT (US): -

14.6 Special precautions for user
Not available

14.7 Transport to bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:
EU Regulation (EC) No.1907/2006 (REACH) including amendments
Regulation (EC) No.1272/2008 (CLP)
29 CFR 1910.1200 (OSHA HCS)
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

California Prop. 65 Components
This product may contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA inventory
Bitumen (Residues (petroleum), vaccum), CAS: 64741-56-6
Polychlorobutadiene, CAS: 9010-98-4
Solvent naphtha (petroleum), heavy arom., CAS: 64742-94-5

15.2 Chemical safety assessment
Not available.

SECTION 16: Other information

HMIS Rating

Health hazard: 1	Chronic Health Hazard:	Flammability: 0	Physical Hazard 0

NFPA Rating

Health hazard: 1	Fire Hazard: 0	Reactivity Hazard: 0

Full text of Hazards Statements referred to in sections 2 and 3:
Asp. Tox. - Aspiration hazard
H304: May be fatal if swallowed and enters airways.

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:
CAS- Chemical Abstract Service
ACGIH- American Conference of Governmental Industrial Hygienists
OSHA- Occupational Safety and Health Administration
NTP- National Toxicology program
IARC- International Agency for Research on Cancer
N/A- Not available
R-phrases- Risk phrases
H-statements- Hazard statements
TLV- Threshold Limit Value TWA-
Time-weighted average STEL-
Short-Term Exposure Limit
CSA- Chemical safety assessment

AVM Mat 800

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 05/01/2017 Supersedes: Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : AVM Mat 800

Product form : Mixtures

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Polyester stitchbonded fabric

1.3. Details of the supplier of the safety data sheet

AVM Industries, Inc.
8245 Remmet Ave
Canoga Park, CA 91304
Tel: 818-888-0050
Fax: 818-888-0030
www.avmindustries.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)		

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause skin irritation.

Symptoms/effects after eye contact : Direct contact with eyes is likely to be irritating.

Symptoms/effects after ingestion : May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Water fog. carbon dioxide (CO_2). Dry chemical. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Molten polyester can cause severe burns to the skin.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protection during firefighting : Evacuate unnecessary personnel. Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Avoid breathing smoke, fumes, decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid.

Methods for cleaning up : Dispose of material in compliance with local, state, and federal regulations.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Use only in well-ventilated areas. Avoid dust formation. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, well-ventilated area. Keep away from ignition sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles.

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

Eye protection	: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.
Skin and body protection	: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection	: Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Various.
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 265 °C (509 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.34 - 1.39
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO_2). hydrogen. Oxygen. Nitrogen. Carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified

Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

AVM Mat 800	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt	
SARA Section 311/312 Hazard Classes	None

15.2. International regulations

No additional information available.

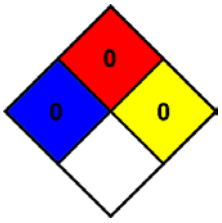
15.3. US State regulations

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Indication of changes	: Revision 1.0: New SDS Created.
Revision date	: 05/01/2017
Other information	: Author: BCS.

NFPA health hazard	:	0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard	:	0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	:	0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health	:	0
Flammability	:	0
Physical	:	0
Personal protection	:	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Aussie Swell Red

Safety Data Sheet

Prepared according to US 29 CFR 1910.1200 and Canadian HPR WHMIS 2015

Revision date: 04/25/2019 Supersedes: 12/11/2017 Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Aussie Swell red

Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

AVM Industries, Inc.
8245 Remmet Ave
Canoga Park, CA 91304
Tel: 818-888-0050
Fax: 818-888-0030
www.avmindustries.com

1.4. Emergency Contact

Chemtrec (800) 424-0083 / Chemtrec Poland (Warsaw): +(48)-223988029 (Polish)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS classification

Acute Tox. 4 (Oral) H302

2.2. GHS Label elements, including precautionary statements

GHS labelling

Hazard pictograms (GHS) :

Signal word (GHS) : Warning

Hazard statements (GHS) : H302 - Harmful if swallowed.

Precautionary statements (GHS) : P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P301+P312 - If swallowed: Call a POISON CENTER, a doctor if you feel unwell
P330 - Rinse mouth.
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Silica: Crystalline, quartz	(CAS-No.) 14808-60-7	Not Available

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause skin irritation.

Symptoms/effects after eye contact : Direct contact with eyes is likely to be irritating.

Symptoms/effects after ingestion : Harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO_2). Dry chemical. Foam. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Thermal decomposition generates : carbon oxides (CO and CO_2).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid. Minimize generation of dust.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry place. Store in a closed container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Inert or Nuisance dust	
ACGIH TWA (mg/m³)	3 mg/m³ (respirable particles) 10 mg/m³ (inhalable particles)
OSHA PEL (TWA) (mg/m³)	5 mg/m³ (respirable fraction) 15 mg/m³ (total dust)

*Exposure limits are for inert or nuisance dust. No specific exposure limits have been established for this activated carbon product by the ACGIH. No specific exposure limits have been established for inert or nuisance dust by Canadian HPR.

Silica: Crystalline, quartz (14808-60-7)	
ACGIH TWA (mg/m³)	0.025 mg/m³ (respirable fraction)
OSHA PEL (TWA) (µg/m³)	50 µg/m³ (respirable crystalline silica)
Alberta (TWA)	0.025 mg/m³ (respirable particulate)
British Columbia (TWA)	0.025 mg/m³ (respirable particulate)
Manitoba (TWA)	0.025 mg/m³ (respirable fraction)
New Brunswick (TWA)	0.025 mg/m³ (respirable fraction)
Newfoundland and Labrador (TWA)	0.025 mg/m³ (respirable fraction)
Northwest Territories (TWA)	0.05 mg/m³ (respirable fraction)
Nova Scotia (TWA)	0.025 mg/m³ (respirable particulate)
Nunavut (TWA)	0.05 mg/m³ (respirable fraction)
Ontario (TWA)	0.10 mg/m³ (respirable fraction)
Prince Edward Island (TWA)	0.025 mg/m³ (respirable fraction)
Quebec (TWA)	0.10 mg/m³ (respirable fraction)
Saskatchewan (TWA)	0.05 mg/m³ (respirable fraction)
Yukon (TWA)	300 Particles/mL

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles.

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified and selected according to regional or national standards. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate PVC, or vinyl. Suitable gloves should be recommended by the glove supplier.

Eye protection : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection : Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Color : Red.

Odor : No data available.

Odor Threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0.00004 hPa estimated
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO_2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

Silica: Crystalline, quartz (14808-60-7)	
LD50 oral rat	500 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not expected to be ecotoxic.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT/TDG

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Aussie Swell	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt	
SARA Section 311/312 Hazard Classes	Health hazard - Acute toxicity (any route of exposure)

15.2. Canada regulations

Aussie Swell
All chemical substances in this product are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or are exempt

15.3. US State regulations

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Silica: Crystalline, quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	Not available

Silica: Crystalline, quartz (14808-60-7)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List

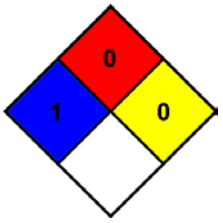
SECTION 16: Other information

Indication of changes : Revision 2.0

Revision date : 04/25/2019

Other information : Author: BCS.

NFPA health hazard	:	1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard	:	0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	:	0 - Material that in themselves are normally stable, even under fire conditions.



HMIS Hazard Rating		
Health	:	1
Flammability	:	0
Physical	:	0

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

AVM Aussie Seal M

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 04/14/2017 Supersedes: Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : AVM Aussie Seal M

Product form : Mixtures

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Sealant

1.3. Details of the supplier of the safety data sheet

AVM Industries, Inc.
8245 Remmet Ave
Canoga Park, CA 91304
Tel: 818-888-0050
Fax: 818-888-0030
www.avmindustries.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

GHS07

Signal word (GHS-US) : **Warning**

Hazard statements (GHS-US) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapours
P264 - Wash hands, forearms and face thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear eye protection, face protection, protective gloves, protective clothing
P302+P352 - If on skin: Wash with plenty of soap and water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321 - Specific treatment (see first aid instructions on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine	(CAS No) 1760-24-3	1 - 3*

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. carbon dioxide (CO_2). Extinguishing powder. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : Product does present an explosion hazard.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Dense smoke emitted when burned without sufficient oxygen.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Ensure there is adequate ventilation. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Use only in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Keep the container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles. Protective clothing.

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection : Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Paste.

Color : No data available

Odor : Mint.

Odor Threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : < 1

Relative vapour density at 20 °C : > 1

Relative density	: 1.41
Density	: 11.8 lbs./gal. (calculated)
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 14.14 g/l % Volatile: 1.00%

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO_2). Sulfur oxides. Hydrogen sulfide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

AVM Aussie Seal M	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation. (Causes corneal injury)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the environment.

12.2. Persistence and degradability

AVM Aussie Seal M	
Persistence and degradability	Heavily removable from water.

12.3. Bioaccumulative potential

AVM Aussie Seal M	
Bioaccumulative potential	May be accumulated in organism.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

AVM Aussie Seal M	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

15.2. International regulations

No additional information available.

15.3. US State regulations

California Proposition 65: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.

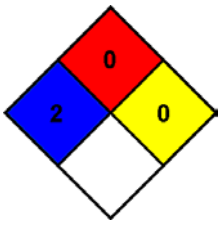
Revision date : 04/14/2017

Other information : Author: BCS.

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



HMIS III Rating

Health : 2

Flammability : 0

Physical : 0

Personal protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

MATERIAL SAFETY DATA SHEET

AVM Drain Boards 2000, 2200, 6000, 6020, 9000, 9020, 9080, XL, 9900 & SWD Series

AVM INDUSTRIES, INC.
8245 Remmet Ave
Canoga Park, CA 91304

Phone: (818) 888-0050
(888) 414-1041
Fax: (818) 888-0030

PRODUCT INDENTIFICATION:

AVM INDUSTRIES, INC. NAME: AVM Drain Boards

Components:
Non-woven polypropylene fabric: (AVM Drain Boards 2000, 2200, 6000, 6020 & SWD)
Woven monofilament fabric: (AVM Drain Boards 9000 & 9020)
Extruded high impact polystyrene sheet and/or polyethylene
D.O.T. Proper Shipping Name: Not a regulated material

HAZARDOUS INGREDIENTS:

This product does not meet the definition given in 29 CRF Part 1910.1200 (OSHA).
Information is furnished as a customer service.

OCCUPATIONAL CONTROL PROCEDURES:

Eye Protection:	As required by site-specific conditions. Not generally needed.
Skin Protection:	None required.
Respiratory Protection:	Not generally required unless needed to prevent respiratory irritation.
Ventilation:	Use adequate ventilation to control exposure below recommended levels.

EFFECTS OF OVEREXPOSURE:

Eyes:	Dust may cause mechanical irritation.
Skin:	No known effect.
Inhalation:	Dust may produce mechanical irritation to the mucous membranes of the nose, throat and upper respiratory tract.
Chronic:	No anticipated chronic effects.

Existing health conditions affected by exposure: No known effects.

MATERIAL SAFETY DATA SHEET

AVM Drain Boards 2000, 2200, 6000, 6020, 9000, 9020, 9080, XL, 9900 & SWD Series

EMERGENCY AND FIRST AID PROCEDURES:

Eyes:	Flush with water.
Skin:	Rinse with water.
Inhalation:	Remove from exposure.
Ingestion:	N/A.

FIRE PROTECTION:

Flash Point (Method):	Greater than 400 degrees (COC, ASTM D-92)
Fire Extinguishing Media:	Dry chemical, foam, carbon dioxide.
Special Fire Fighting Procedures:	For large fires in confined area use N10SH/MSHA

approved self-contained breathing apparatus: Use water fog or spray to exposed equipment and containers.

REACTIVITY DATA:

Stability:	Stable
Incompatibility:	None known
Hazardous Decomposition Products:	Will not occur.
Hazardous Polymerization:	Will not occur.

PHYSICAL DATA:

Physical State:	Solid
Odor:	Negligible
Viscosity:	N/A
Solubility in Water:	Negligible
Boiling Point:	N/A

SPILL, LEAK & DISPOSAL INFORMATION:

Spill or Leak Procedures:	Solid material, normal clean-up procedure.
Waste Disposal:	Insure conformity with all applicable disposal regulations. Product does not meet the definition of hazardous waste.

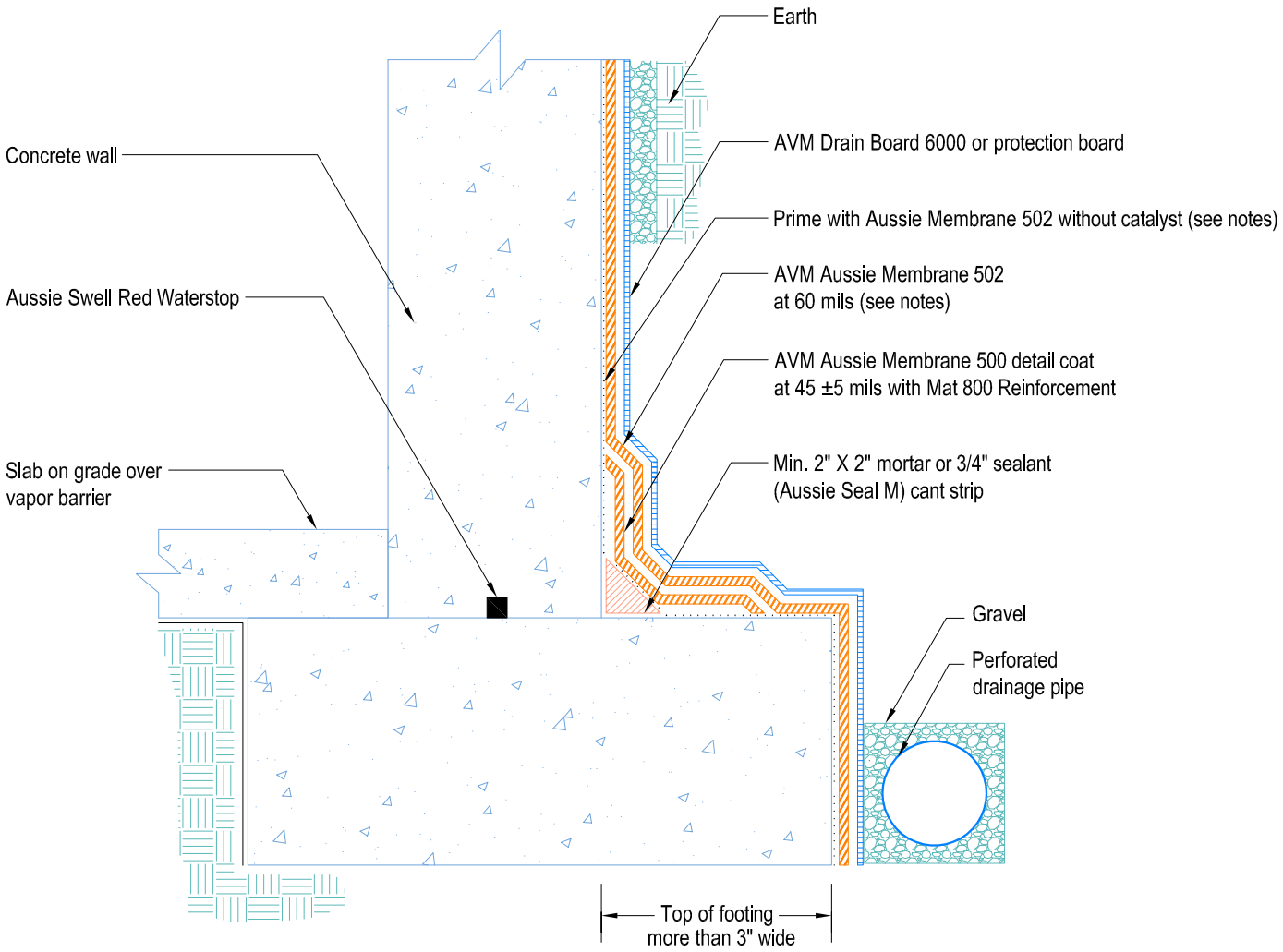
STORAGE:

No special requirements for storage.

DETAIL # :
AVM-502-0002-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Retaining Walls
Slab on Grade at Top of Footing
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. AVM's “Bottom Drain 12” may be accepted in lieu of the perforated drainage pipe (French Drain). Check local building codes for approval.
5. Exposed top of footing is More than 3"
6. All corners require fabric reinforced detail coat. All inside corners also require min 2”x2” mortar or ¾” sealant (Aussie Seal M) cant prior to installing the detail coat.
7. Verify concrete absorbs water. If not, contact AVM Technical Support.

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FILE NAME: 0502-0002-C-Retaining-Walls-Slab-On-Grade-At-Top-Of-Footing-CS.dwg
Revision Date: 8/1/2019

DETAIL # :
AVM-502-0004-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Retaining Walls
Slab on Grade at Top of Footing
Aussie Membrane 502
Fluid Applied Waterproofing

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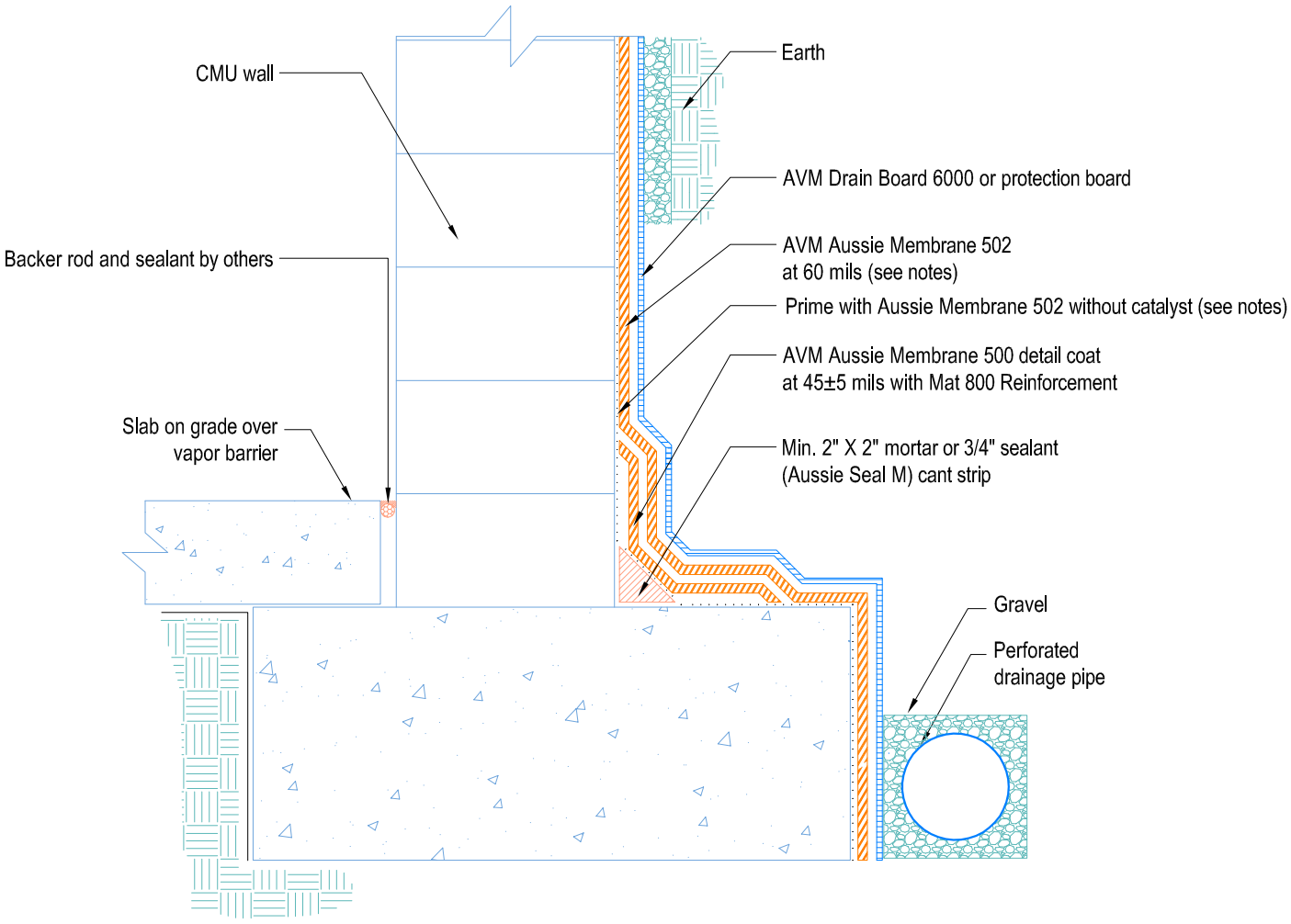

Notes:

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2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. AVM's "Bottom Drain 12" may be accepted in lieu of the perforated drainage pipe (French Drain). Check local building codes for approval.
5. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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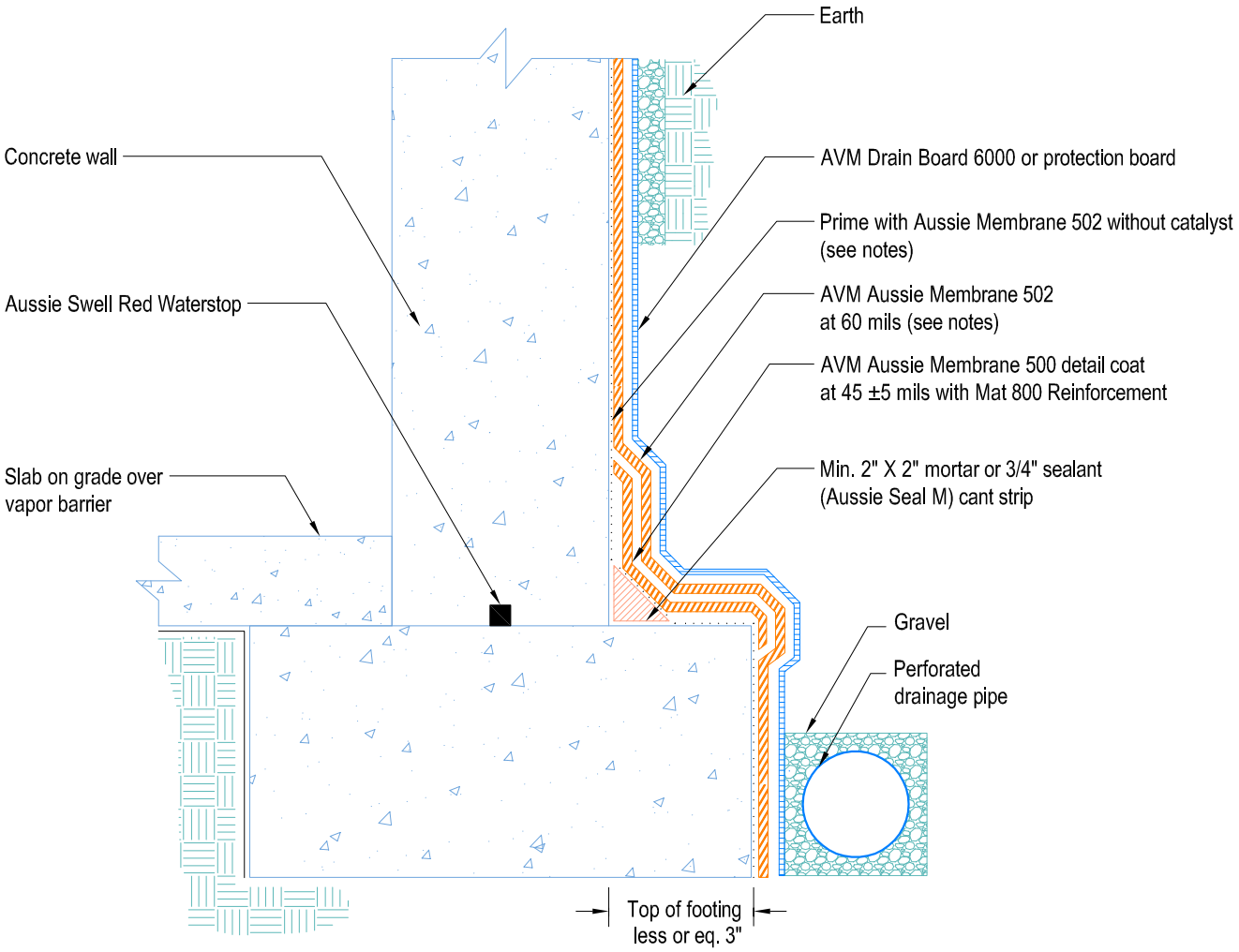
FILE NAME: 0502-0004-C-Retaining-Walls-Slab-On-Grade-At-Top-Of-Footing-CS.dwg
Revision Date: 8/1/2019

DETAIL # :
AVM-502-0006-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Retaining Walls
Slab on Grade at Top of Footing
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

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2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. AVM's "Bottom Drain 12" may be accepted in lieu of the perforated drainage pipe (French Drain). Check local building codes for approval.
5. Exposed top of footing is Less than 3"
6. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
7. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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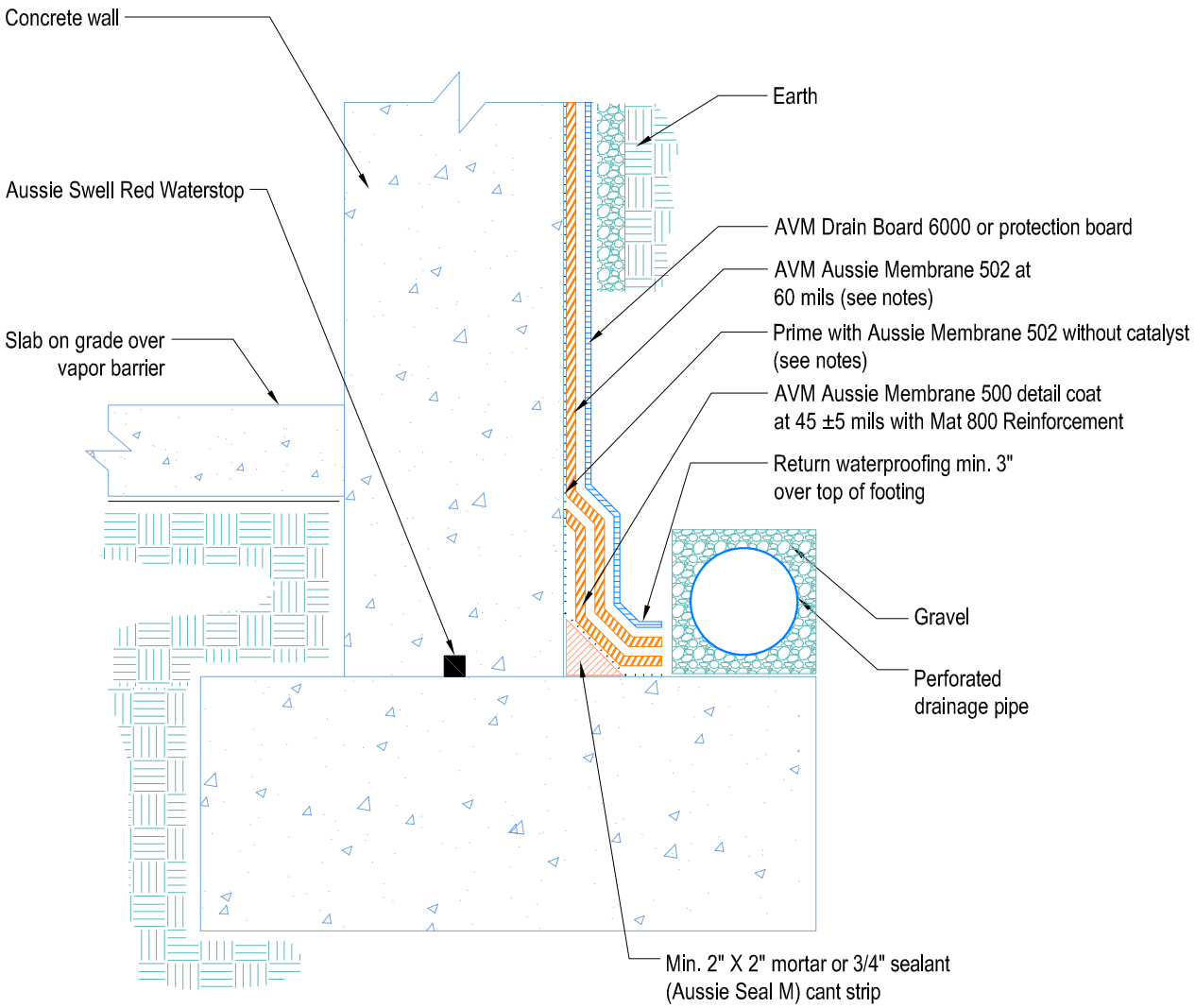
FILE NAME: 0502-0006-C-Retaining-Walls-Slab-On-Grade-At-Top-Of-Footing-CS.dwg
Revision Date: 8/1/2019

DETAIL # :
AVM-502-0008-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Retaining Walls
Elevated Slab on Grade at Top of Footing
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

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2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. AVM's "Bottom Drain 12" may be accepted in lieu of the perforated drainage pipe (French Drain). Check local building codes for approval.
5. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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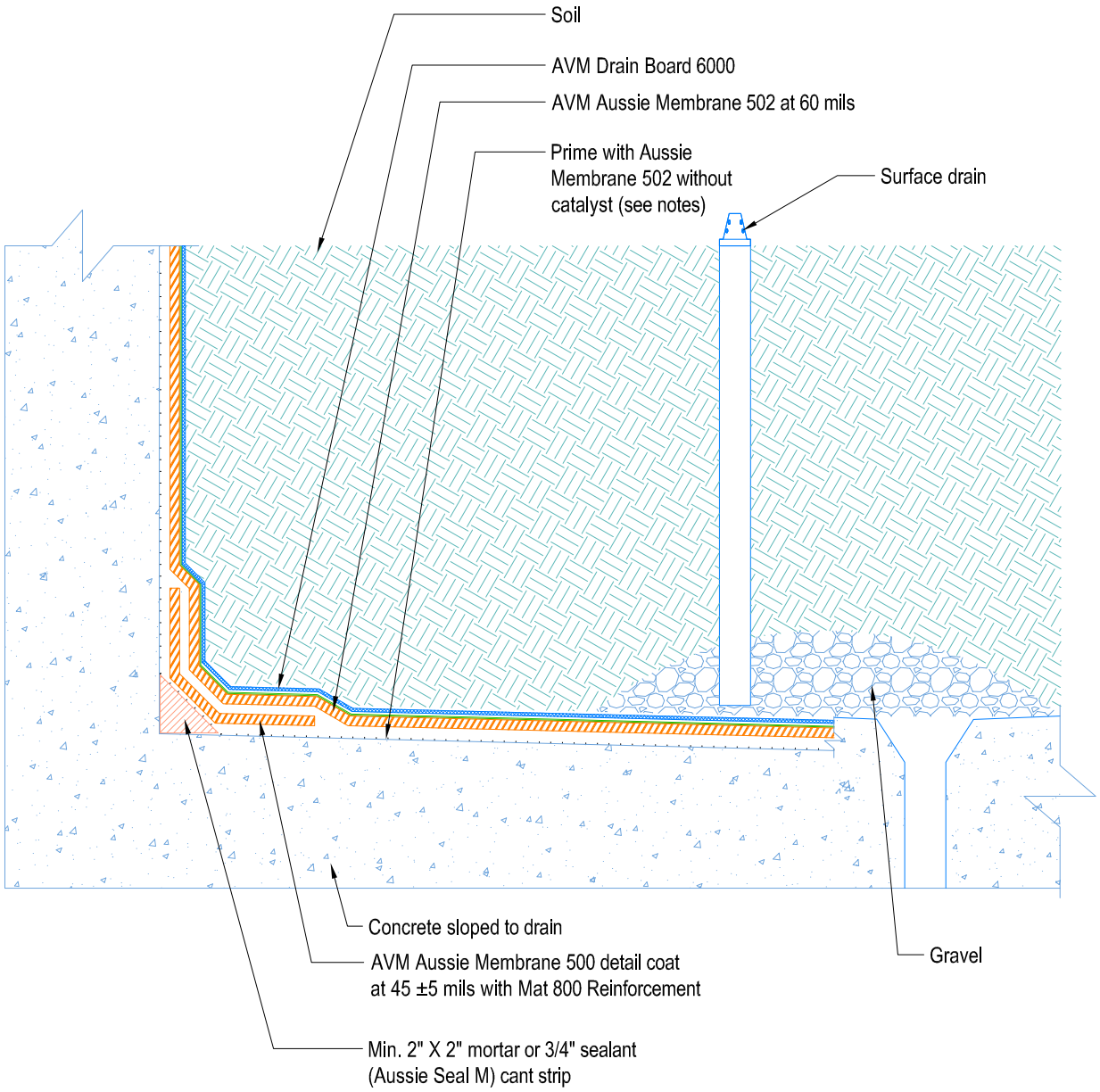
FILE NAME: 0502-0008-C-Retaining-Walls-Elevated-Slab-On-Grade-At-Top-Of-Footing-CS.dwg
Revision Date: 8/1/2019

DETAIL # :
AVM-502-1502-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Planter Basic Detail
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

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2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Planters must have sufficient slope, sufficient drains and proper drainage systems to effectively evacuate excessive water.
4. All corners require fabric reinforced detail coat. All inside corners also require min 2”x2” mortar or ¾” sealant (Aussie Seal M) cant prior to installing the detail coat.
5. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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Revision Date: 8/1/2019

DETAIL # :
AVM-502-2002-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Topping Slab on Concrete Substrate over Aussie Membrane 502 Fluid Applied Waterproofing

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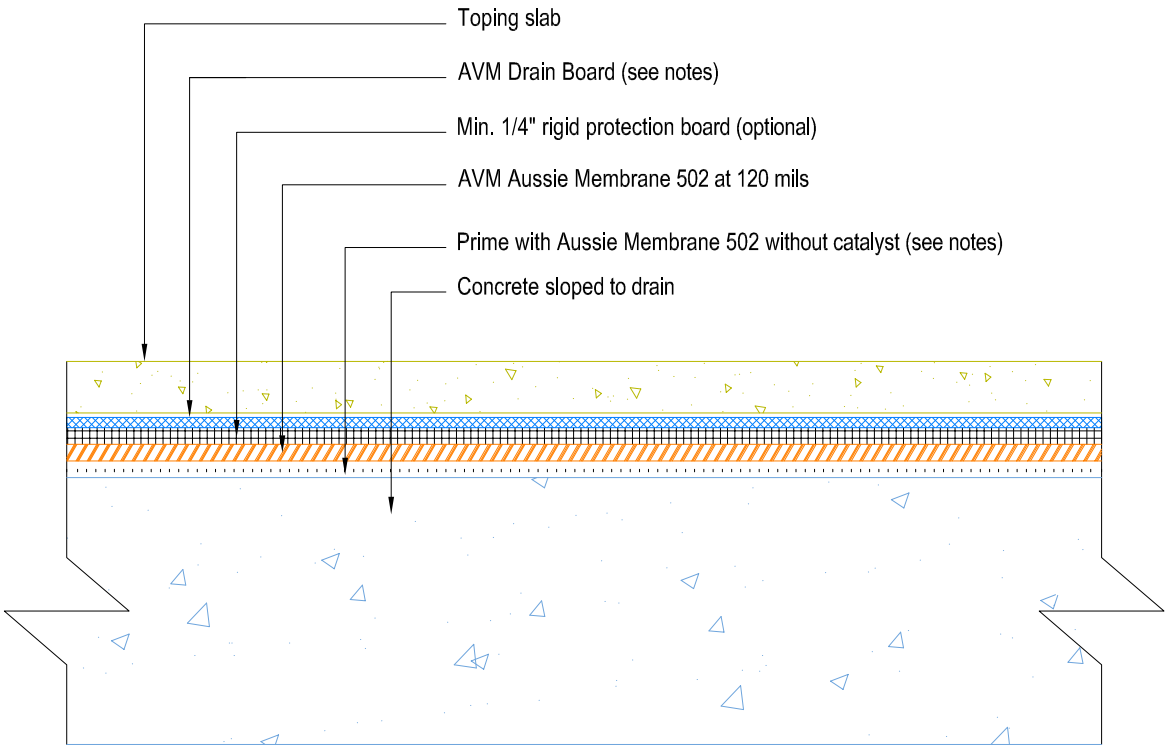

Notes:

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2. Topping slabs for pedestrian traffic use AVM Drain Board 6000
3. Topping slabs above 4" thick or for vehicular traffic use AVM Drain Board 9000
4. For extra protection, use asphaltic panels below the drainage boards.
5. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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Revision Date: 8/1/2019

DETAIL # :
AVM-502-3002-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Pavers on Concrete Substrate over Aussie Membrane 502 Fluid Applied Waterproofing

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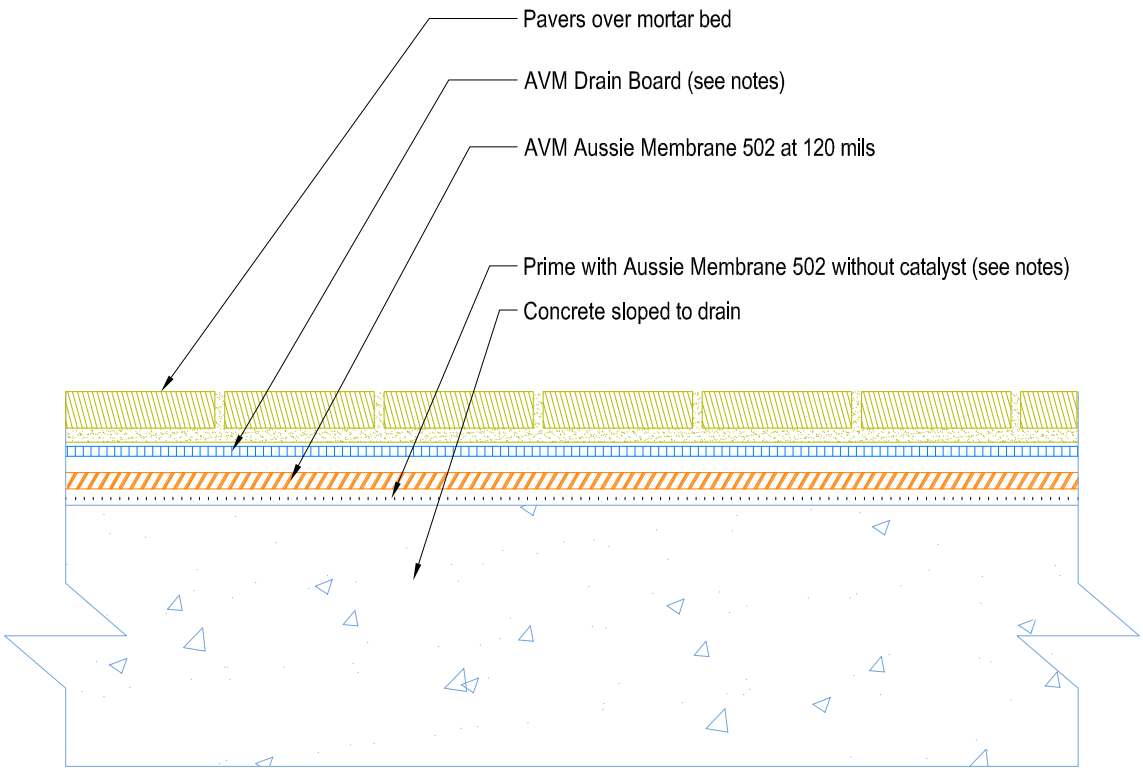

Notes:

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2. Topping slabs for pedestrian traffic use AVM Drain Board 6000
3. Topping slabs above 4" thick or for vehicular traffic use AVM Drain Board 9000
4. For extra protection, use asphaltic panels below the drainage boards.
5. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete absorbs water. If not, contact AVM Technical Support.

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Revision Date: 8/1/2019

DETAIL # :
AVM-502-6002-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Terminations
Aussie Membrane 502
Fluid Applied Waterproofing

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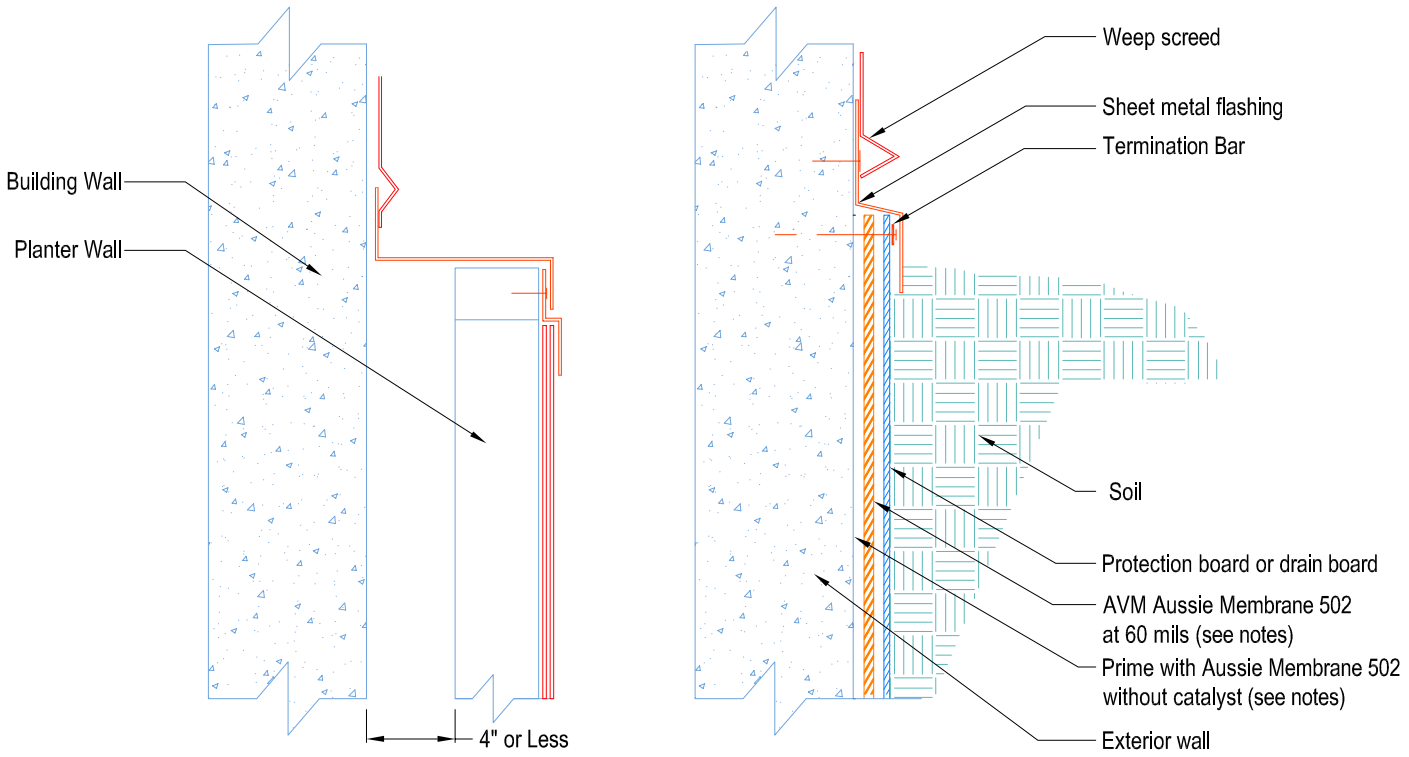

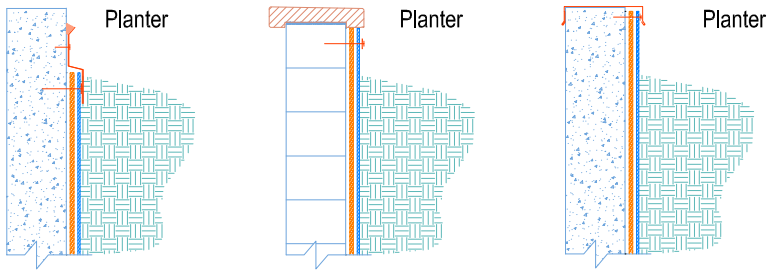

Notes:

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2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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Revision Date: 8/1/2019

DETAIL # :
AVM-502-6004-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Terminations at Sidewalks on Grade
Aussie Membrane 502
Fluid Applied Waterproofing

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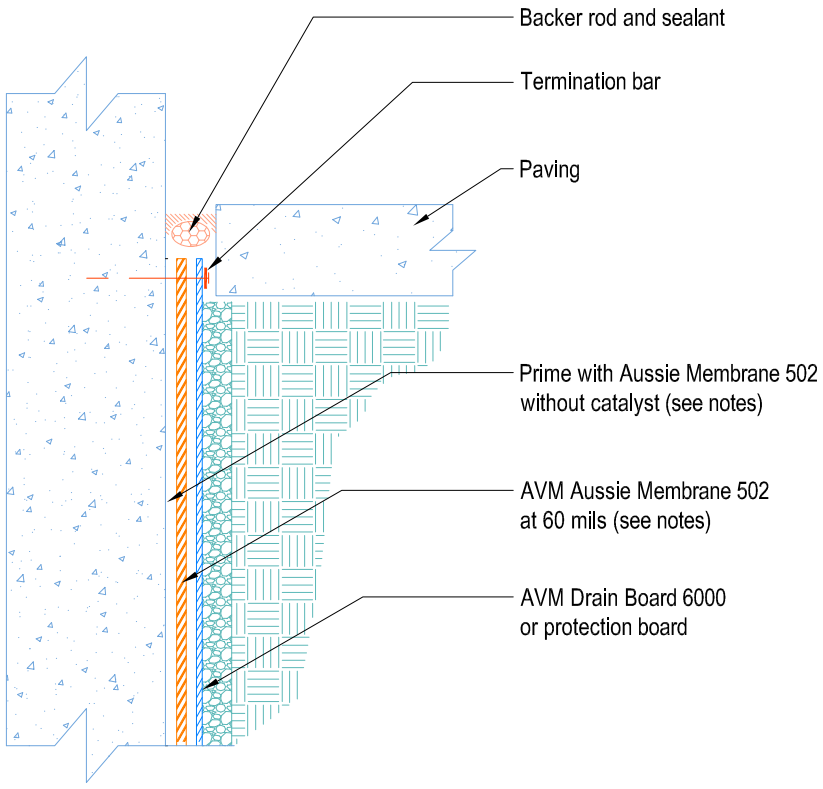

Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Verify concrete wall absorbs water. If not, contact AVM Technical Support.
4. Contact AVM if no drain board or protection board is specified.

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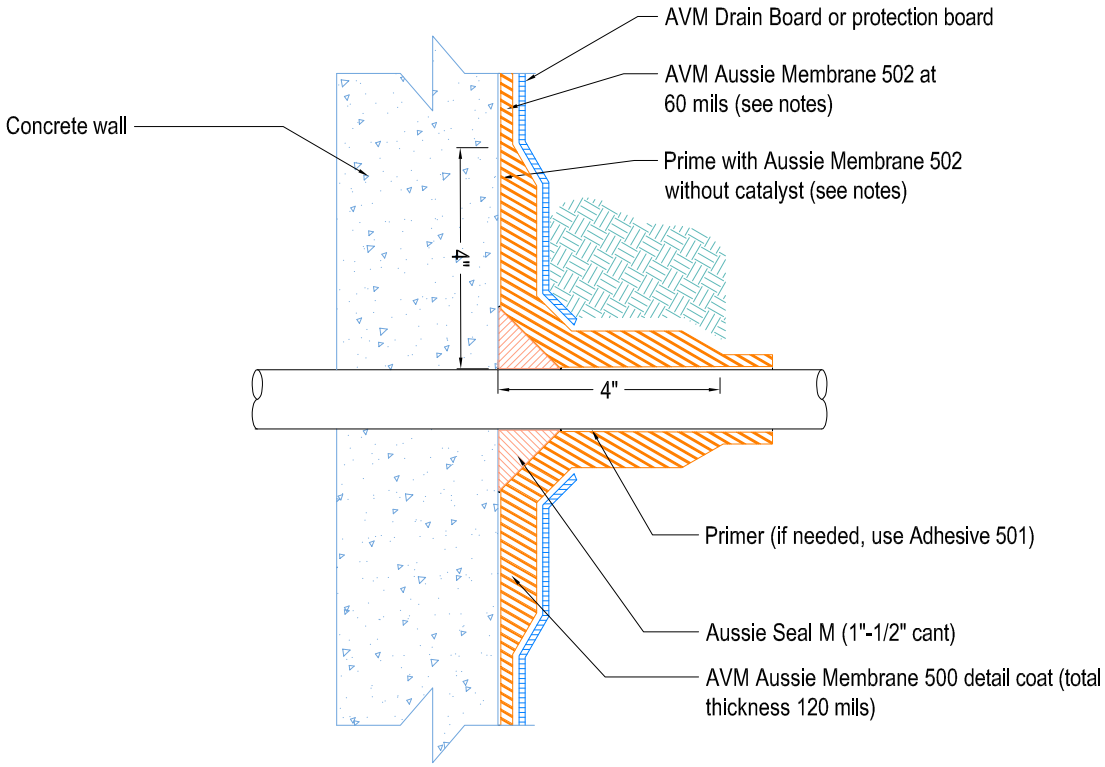
Revision Date: 8/1/2019

DETAIL # :
AVM-502-6502-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Pipe Penetration Thru Wall (Option 1)
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. With Sealant around pipe.
5. All corners require fabric reinforced detail coat. All inside corners also require min 2”x2” mortar or ¾” sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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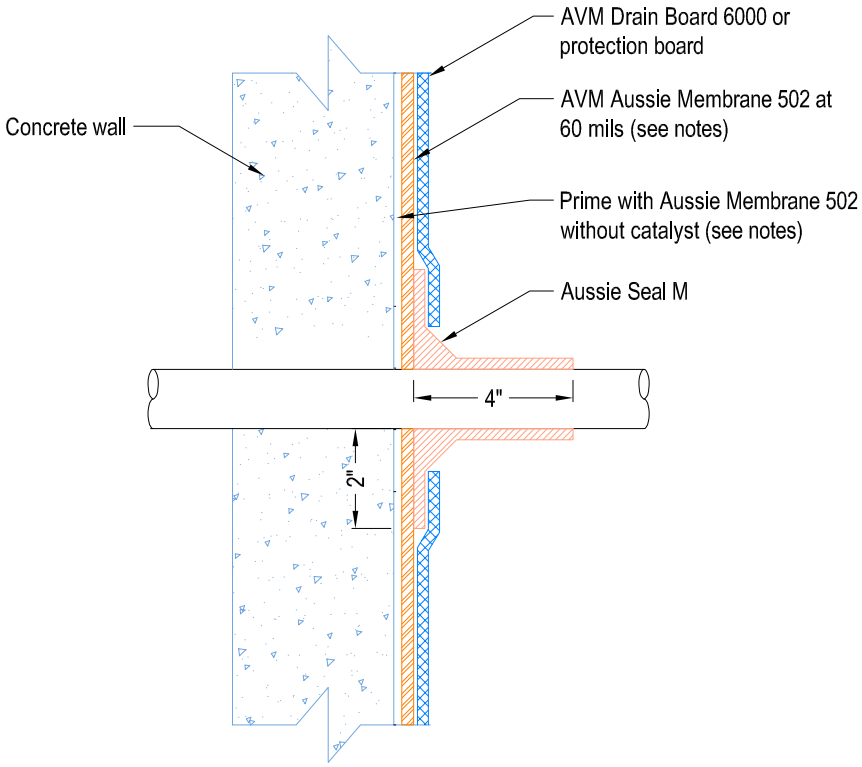
Quality Waterproofing Products

Revision Date: 8/1/2019

DETAIL # :
AVM-502-6504-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Pipe Penetration Thru Wall (Option 2)
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. With Backer Rod and Sealant around pipe.
5. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

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Revision Date: 8/1/2019

DETAIL # :
AVM-502-6702-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Pipe Penetration Thru Slab (Option 1)
Aussie Membrane 502
Fluid Applied Waterproofing

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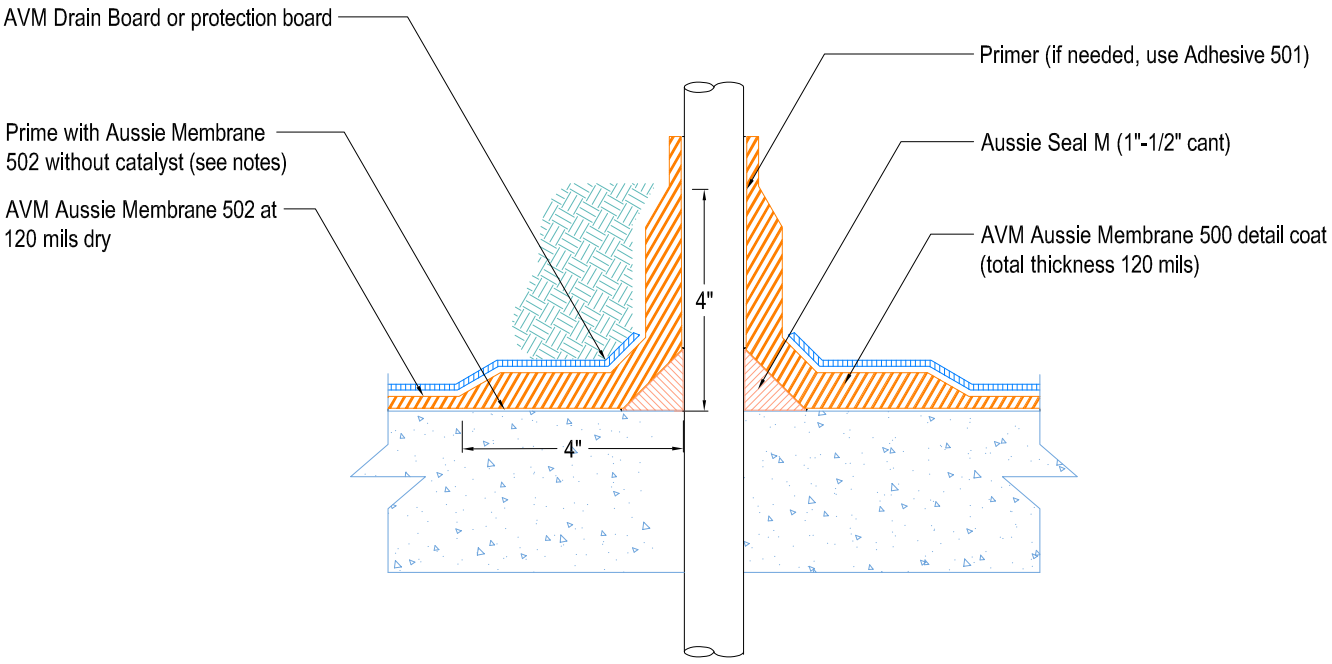


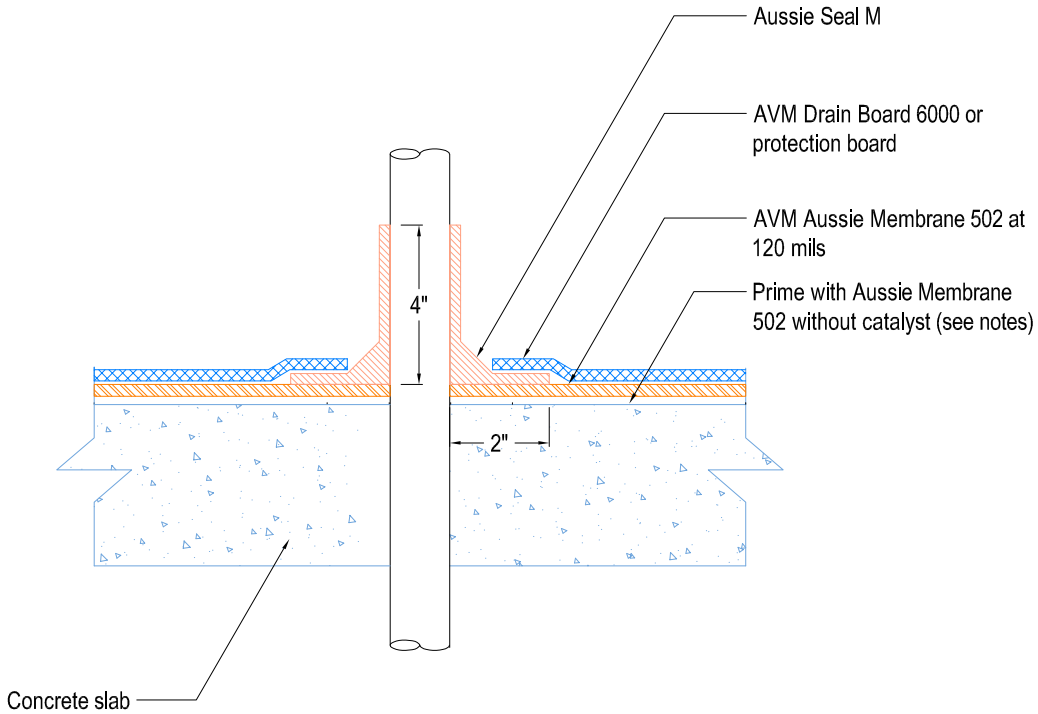
Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. Topping slabs for pedestrian traffic use AVM Drain Board 6000
3. Topping slabs above 4" thick or for vehicular traffic use AVM Drain Board 9000
4. Contact AVM if no drain board or protection board is specified.
5. With Sealant around pipe.
6. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
7. Verify concrete wall absorbs water. If not, contact AVM Technical Support.

DETAIL # :
AVM-502-6704-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Pipe Penetration Thru Slab (Option 2)
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



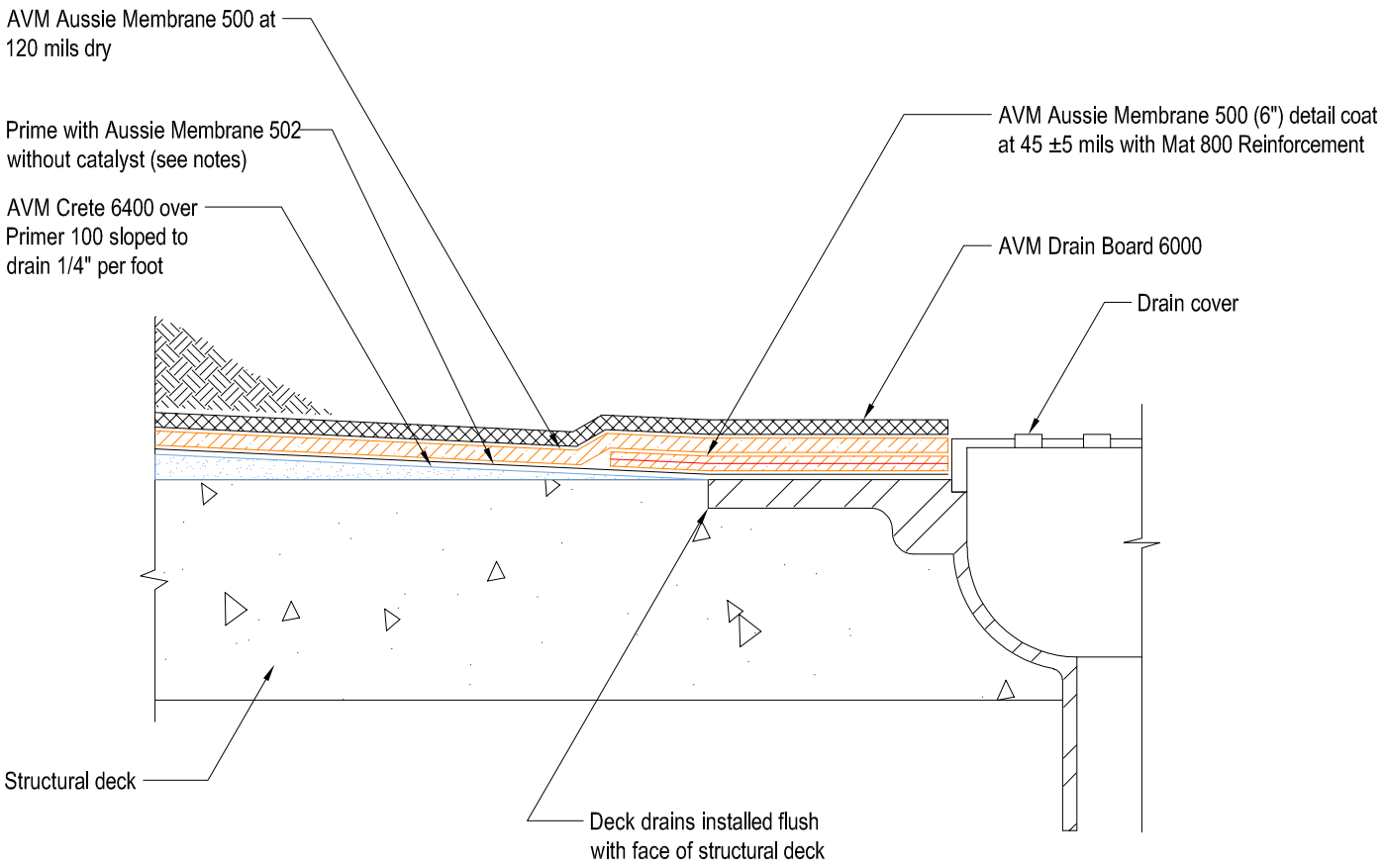
Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. Topping slabs for pedestrian traffic use AVM Drain Board 6000
3. Topping slabs above 4" thick or for vehicular traffic use AVM Drain Board 9000
4. Contact AVM if no drain board or protection board is specified.
5. With Sealant around pipe.
6. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
7. Verify concrete absorbs water. If not, contact AVM Technical Support.

DETAIL # :
AVM-502-7002-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Area Drain Detail
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC



Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. Contact AVM if no drain board or protection board is specified.
3. Topping slabs for pedestrian traffic use AVM Drain Board 6000
4. Topping slabs above 4" thick or for vehicular traffic use AVM Drain Board 9000
5. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
6. Verify concrete absorbs water. If not, contact AVM Technical Support.

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
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www.avmindustries.com

Quality Waterproofing Products

Revision Date: 8/1/2019

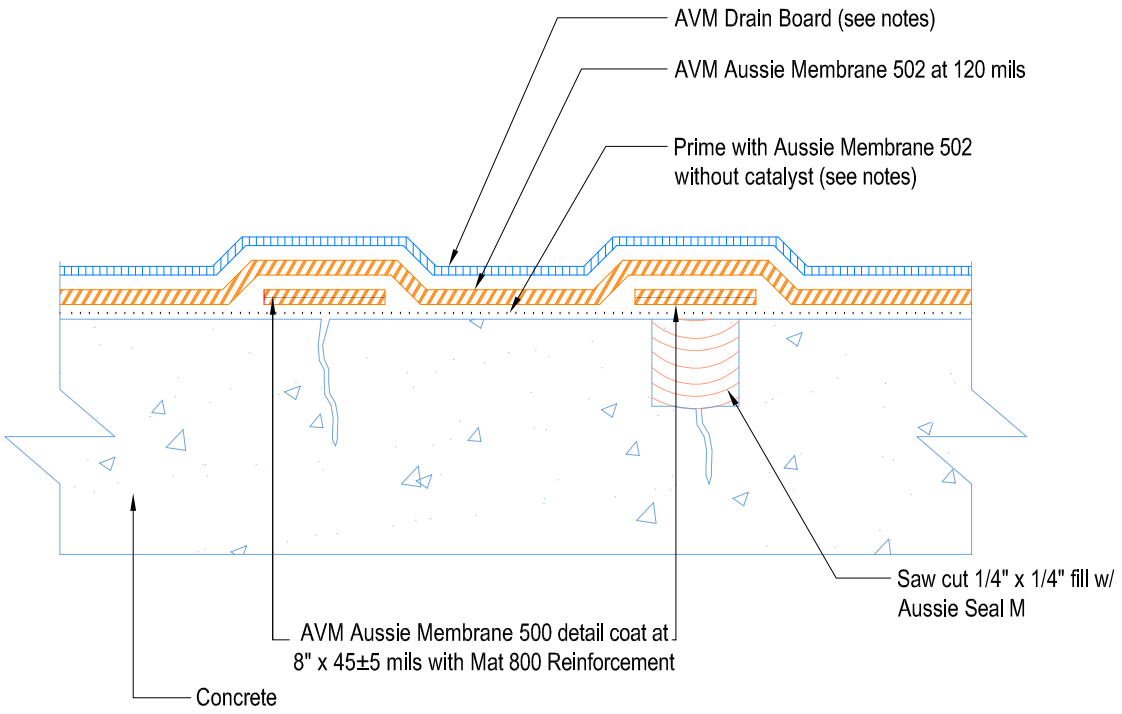
DETAIL # :
AVM-502-8002-C
Aussie Membrane 502
VIEW TYPE:
Cut Sheet

Crack Repair
Aussie Membrane 502
Fluid Applied Waterproofing

AVM INDUSTRIES INC

Crack less than 1/16" wide

Crack greater than 1/16" wide



Notes:

1. Aussie Membrane 502 is a two-component, Water-Based Bitumen Membrane (Spray Applied) for Below-Grade, Lagging, Between-Slab, Planters, Roof-Gardens, Paver Systems and similar type Waterproofing.
2. In Non-Hydrostatic conditions: Min 60 Mils Dry Film Thickness (DFT). In Hydrostatic conditions: Min 90 Mils Dry Film Thickness (DFT)
3. Contact AVM if no drain board or protection board is specified.
4. Topping slabs for pedestrian traffic use AVM Drain Board 6000
5. Topping slabs above 4" thick or for vehicular traffic use AVM Drain Board 9000
6. All corners require fabric reinforced detail coat. All inside corners also require min 2"x2" mortar or ¾" sealant (Aussie Seal M) cant prior to installing the detail coat.
7. Verify concrete absorbs water. If not, contact AVM Technical Support.

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