



Aussie Skin® 550

Heavy Duty Below Grade, Blind-Side,
Under-Slab Waterproofing Membrane

Approved for
Shot-Crete

Section 071000 / 071300 / 071353 / 071354
Sheet Applied Waterproofing

Product Name

Aussie Skin® 550

AVM System No.

AVM System 550

By

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

Product Description

AVM Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant HDPE Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete. Once the Concrete or Shot-Crete is cured, the membrane will become fully bonded to the concrete surfaces eliminating any potential migration of water between itself and the concrete surfaces to which it is bonded.

Where to Use

Retaining Walls, Basements, Under-Slabs, Mud-Slabs, Tunnels, etc.:

AVM Aussie Skin 550 may be applied either horizontally to smoothly prepared concrete substrates and/or compacted earth or crushed stone substrates. May also be applied vertically to permanent formwork such as lagging. Concrete is then cast directly against the adhesive side of the membrane.

Note: **AVM Aussie Skin 550** is not suited to waterproof roofs or other internal wet areas.

Application Method:

Pre-Applied, loosely laid.

Warranty

AVM Industries provides a standard five (5) year warranty. Ten (10) year warranties are also available. For complete warranty details, contact AVM Industries or consult with your applicator. Shot-Crete to conform to ACI 506 standards.



Delivery, Storage, and Handling

- Delivery of all the **AVM Aussie Skin 550** materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Shelf Life: One year from date of manufacture.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

- All surfaces to which the **Aussie Skin 550** is applied must be sound and stable, with an even finish and free from sharp protruding items, dust, loose debris, grease, curing agents, or anything else that might damage or prevent the proper installation of the membrane.
- The Aussie Skin may be applied at temperatures as low as 20°F and as high as 110°F. For applications at temperatures between 20°F to 40°F, follow the cold weather installation procedures.
- Do NOT install the Aussie Skin if raining or precipitation is imminent. Do not proceed with installing any Aussie Skin components or bonding any seams, laps, etc, if the Aussie Skin surfaces are damp or wet. All surfaces must be completely dry to ensure proper bonding!
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.

- This system must not be used to cover Expansion Joints.

System Application

Read the **AVM Aussie Skin 550** Training Manual/Installation Instructions Prior to Installation. Application instructions vary based on application surfaces, job conditions, temperatures, etc.

Quality Control

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

Protection of Installed Work

- The membrane shall be protected until concrete is properly poured over it.
- Do not leave the membrane exposed for more than 60 days.
- Always protect the waterproofing from possible damage. If membrane becomes damaged, contact waterproofing installer or AVM before proceeding with pouring concrete.
- Once the Aussie Skin is installed (The seams have been bonded together), the Aussie Skin (including the seams) may be immediately exposed to both rain or water. Aussie Sealant must be fully cured before it's exposed to rain or water.

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.

Item/Component	Packaging	Approximate Shipping Weights	Qty per Pallet	VOC
Aussie Skin 550 Membrane 1M (75 Mils)	3.28'x65.6' Roll (215 sq.ft.)	74.8 lbs. (34 KG) / Roll	25 Rolls/Pallet	N/A
Aussie Skin 550 Membrane 2M (75 Mils)	6.56'x65.6' Roll (430 sq.ft.)	149.6 lbs (68 KG) / Roll		N/A
Aussie Skin 550 Detail Strip	7.75'x65.6' Roll	30.8 Lbs (14 kg) / Roll		N/A
Aussie Skin 560 Detail Strip	13.1'x65.6' Roll	11 Lbs / Roll		N/A
Aussie Skin Double Sided Tape 4"	4"x33' Roll	2.2 Lbs / Roll		N/A
Aussie Skin Fabric Tape 4"	3.9"x49' Roll	2.4 Lbs / Roll		N/A
Aussie Skin Sanded Tape 4"	3.9"x65.6' Roll	6 Lbs / Roll		N/A

LO21 Waterproofing Test Results	Test Results	Test Requirements	Test Method
Puncture Resistance	239 Lbf	Min 40 Lbs	ASTM E154
Hydrostatic Pressure Resistance	192 PSI	As Tested	ASTM D751
Lateral Water Migration Resistance	231 feet (71M) of hydrostatic head pressure	Pass	ASTM D5385 Modified ¹
Resistance to Hydrostatic Head	231 feet (71M) of hydrostatic head pressure	Pass	ASTM D5385
Adhesion to Concrete and Masonry	30.4 Pounds	Min 5 Pounds	ASTM D903
Tension & Elongation: Machine Direction	1061 %	Min 250%	ASTM D412
Tension & Elongation: Cross Machine Direction	1050 %	Min 250%	ASTM D412
Tensile Strength	35.6 Mpa	As Tested	ASTM D412
Accelerated Aging	No considerable reduction in Tension and Elongation of Aged Specimens	Pass. No considerable reduction in either	ASTM G23 & G153
Resistance to Decay (Weight Loss)	0.8%	Max 10%	ASTM E154
Resistance to Decay (Permeance Loss)	0%	Max 10%	ASTM E154
Water Vapor Transmission	0.016 Perms	Max 0.1 Perms	ASTM E96
Water Vapor Transmission after Decay	0.016 Perms	Max 0.1 Perms	ASTM E96
Low temperature flexibility	Unaffected at -29°C	Not Listed	ASTM D1970
Shear strength of joints	14.5 (N/mm)	Not Listed	ASTM D1876
Water Absorption	0.059%	As Tested	ASTM D570

1. Lateral water migration resistance is tested by casting concrete and shot-crete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane. Tests were performed by an independent certified lab. (This test is in addition to the LO21 testing requirements)

Shot-Crete Test Results	Test Method	Results	Requirements
Installation over Plywood or directly on the Lagging			
Waterproof Integrity of Side (factory) Lap, overlap installed over 2" plywood joint with nails in laps	ASTM D 5385	Pass	No water leakage detected up to 100 PSI
Waterproof Integrity of End (non-factory) Lap, overlap installed over 2" plywood joint	ASTM D 5385	Pass	
Waterproof Integrity of Side (factory) Lap, overlap installed over 2" plywood joint without nails in laps	ASTM D 5385	Pass	
Puncture Integrity at Screw Protrusion, Membrane installed over 1/4" protruding #8 bugle head wood screw	Visual Inspection	Pass	No puncture detected
Installation over Lagging 0.5" EPS Insulation Board (Foam)			
Waterproof Integrity of Side (factory) Lap, overlap installed over EPS Foam Board located over 2" lagging joint with nails in laps	ASTM D 5385	Pass	No water leakage detected up to 100 PSI
Waterproof Integrity of End (non-factory) Lap, overlap installed over EPS Foam Board located over 2" lagging joint	ASTM D 5385	Pass	
Waterproof Integrity of Side (non-factory) Lap, overlap installed over EPS Foam Board located over 2" lagging joint; Joint without nails in laps	ASTM D 5385	Pass	
Puncture Integrity at Nail Protrusion Membrane installed over 1/4" protruding nail with 7/32" dia. head	Visual Inspection	Pass	No puncture detected
Installation over Drain Board			
Waterproof Integrity of Side (factory) Lap, overlap installed over Drain Board located over 2" lagging joint with nails in laps	ASTM D 5385	Pass	No water leakage detected up to 100 PSI
Waterproof Integrity of End (non-factory) Lap, overlap installed over Drain Board located over 2" lagging joint	ASTM D 5385	Pass	
Waterproof Integrity of Side (non-factory) Lap, overlap installed over Drain Board located over 2" lagging joint; Joint without nails in laps	ASTM D 5385	Pass	
Puncture Integrity at Nail Protrusion Membrane installed over 1/4" protruding nail with 7/32" dia. head	Visual Inspection	Pass	No puncture detected

Note: "Test Requirements" as listed in Los Angeles City Test Protocol L021, *Acceptance Criteria for Below-Grade Exterior Damp-Proofing and Waterproofing Materials dated May 2004 And Los Angeles City Shot-Crete Test Protocol dated April 26, 2016.*

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



www.avmindustries.com

Aussie Skin® is a registered trademark of AVM Industries, Inc.



Aussie Skin® Detail Strip

Heavy Duty Below Grade Waterproofing Membrane Detail Strip

Section 071000 / 071300 / 071353 / 071354
Heavy Duty Below Grade, Blind-Side,
Under-Slab Waterproofing Membrane

Product Name

Aussie Skin® Detail Strip

By

AVM Industries, Inc.
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Product Description

AVM Aussie Skin Detail Strip is a narrow roll (7.75" wide) of the Aussie Skin (without sand) used for detailing corners and other small or hard to reach areas.

Where to Use

Retaining Walls, Basements, Under-Slabs,
Mud-Slabs, Tunnels, etc.:

AVM Aussie Skin Detail Strip may be applied on both horizontal and vertical surfaces and is primarily used in detailing the Aussie Skin waterproofing system in corners, edges, penetrations, etc. For more information, refer to the **Aussie Skin** waterproofing system documentation.

Application Method:

See Aussie Skin Installation Instructions

Warranty

The **AVM Aussie Skin Detail Strip** is part of the **AVM Aussie Skin Waterproofing System**. Refer to the **Aussie Skin** warranty for details.

Delivery, Storage, and Handling

- Delivery of all the **AVM Aussie Skin Detail Strip** materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Shelf Life: One year from date of manufacture.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- All surfaces to which the **Aussie Skin Detail Strip** will be applied to must be sound and stable, with an even finish and free from sharp protruding items, dust, loose debris, grease, curing agents, or anything else that might damage or prevent the proper installation of the tape and/or result in improper installation of the membrane.
- The **Aussie Skin Detail Strip** may be applied at temperatures as low as 20°F and as high as 110°F. For applications at temperatures between 20°F to 40°F, follow the cold weather installation procedures.
- Do NOT install the **Aussie Skin Detail Strip** if raining or precipitation is imminent. Do not proceed with installing any Aussie Skin components or bonding any seams, laps, etc, if the Aussie Skin surfaces are damp or wet. All surfaces must be completely dry to ensure proper bonding!
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Read the **AVM Aussie Skin Installation Instructions** prior to installation. Application instructions vary based on application surfaces, job conditions, temperatures, etc.

Quality Control

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

Protection of Installed Work

- The membrane shall be protected until concrete is properly poured over it.
- Do not leave the membrane exposed for more than 60 days.
- Always protect the waterproofing from possible damage. If membrane becomes damaged, contact waterproofing installer or AVM before proceeding with pouring concrete.

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.

Item/Component	Packaging	Approximate Shipping Weights	Qty per Pallet	VOC
Aussie Skin® 550 Membrane 1M (75 Mils)	3.28'x65.6' Roll (215 sq.ft.)	74.8 lbs. (34 KG) / Roll	25 Rolls/Pallet	N/A
Aussie Skin® 550 Membrane 2M (75 Mils)	6.56'x65.6' Roll (430 sq.ft.)	149.6 lbs. (68 KG) / Roll		N/A
Aussie Skin® Detail Strip	7.75'x65.6' Roll	11 Lbs / Roll		N/A
Aussie Skin® Double Sided Tape 4"	4"x33' Roll	2.2 Lbs / Roll		N/A
Aussie Skin® Fabric Tape 4"	3.9"x49' Roll	2.4 Lbs / Roll		N/A
Aussie Skin® Sanded Tape 4"	3.9'x65.6' Roll	6 Lbs / Roll		N/A

L021 Waterproofing Test Results	Test Results	Test Requirements	Test Method
Puncture Resistance	239 Lbf	Min 40 Lbs	ASTM E154
Hydrostatic Pressure Resistance	192 PSI	As Tested	ASTM D751
Adhesion to Concrete and Masonry	30.4 Pounds	Min 5 Pounds	ASTM D903
Tension & Elongation: Machine Direction	1061 %	Min 250%	ASTM D412
Tension & Elongation: Cross Machine Direction	1050 %	Min 250%	ASTM D412
Accelerated Aging	No considerable reduction in Tension and Elongation of Aged Specimens	Pass. No considerable reduction in either	ASTM G23 & G153
Resistance to Decay (Weight Loss)	0.8%	Max 10%	ASTM E154
Resistance to Decay (Permeance Loss)	0%	Max 10%	ASTM E154
Water Vapor Transmission	0.016 Perms	Max 0.1 Perms	ASTM E96
Water Vapor Transmission after Decay	0.016 Perms	Max 0.1 Perms	ASTM E96
Low temperature flexibility	Unaffected at -29°C	Not Listed	ASTM D1970
Shear strength of joints	14.5 (N/mm)	Not Listed	ASTM D1876
Water Absorption	0.059%	As Tested	ASTM D570

Shot-Crete Test Results	Test Method	Results	Requirements
Installation over Plywood or directly on the Lagging			
Waterproof Integrity of Side (factory) Lap, overlap installed over 2" plywood joint with nails in laps	ASTM D 5385	Pass	No water leakage detected up to 100 PSI
Waterproof Integrity of End (non-factory) Lap, overlap installed over 2" plywood joint	ASTM D 5385	Pass	
Waterproof Integrity of Side (factory) Lap, overlap installed over 2" plywood joint without nails in laps	ASTM D 5385	Pass	
Puncture Integrity at Screw Protrusion, Membrane installed over 1/4" protruding #8 bugle head wood screw	Visual Inspection	Pass	No visual detection of puncture
Installation over Lagging 0.5" EPS Insulation Board (Foam)			
Waterproof Integrity of Side (factory) Lap, overlap installed over EPS Foam Board located over 2" lagging joint with nails in laps	ASTM D 5385	Pass	No water leakage detected up to 100 PSI
Waterproof Integrity of End (non-factory) Lap, overlap installed over EPS Foam Board located over 2" lagging joint	ASTM D 5385	Pass	
Waterproof Integrity of Side (non-factory) Lap, overlap installed over EPS Foam Board located over 2" lagging joint; Joint without nails in laps	ASTM D 5385	Pass	
Puncture Integrity at Nail Protrusion Membrane installed over 1/4" protruding nail with 7/32" dia. head	Visual Inspection	Pass	No visual detection of puncture
Installation over Drain Board			
Waterproof Integrity of Side (factory) Lap, overlap installed over Drain Board located over 2" lagging joint with nails in laps	ASTM D 5385	Pass	No water leakage detected up to 100 PSI
Waterproof Integrity of End (non-factory) Lap, overlap installed over Drain Board located over 2" lagging joint	ASTM D 5385	Pass	
Waterproof Integrity of Side (non-factory) Lap, overlap installed over Drain Board located over 2" lagging joint; Joint without nails in laps	ASTM D 5385	Pass	
Puncture Integrity at Nail Protrusion Membrane installed over 1/4" protruding nail with 7/32" dia. head	Visual Inspection	Pass	No visual detection of puncture

Note: "Test Requirements" as listed in Los Angeles City Test Protocol L021, Acceptance Criteria for Below-Grade Exterior Damp-Proofing and Waterproofing Materials dated May 2004 And Los Angeles City Shot-Crete Test Protocol dated April 26, 2016.

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

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Quality Waterproofing Products



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Aussie Skin® is a registered trademark of AVM Industries, Inc.



Aussie Skin® Double Sided Tape

Double Sided Tape for AVM Aussie Skin® Waterproofing System

Section 071000 / 071300 / 071353 / 071354
Heavy Duty Below Grade / Under-Slab
Waterproofing Membrane

Product Name

Aussie Skin® Double Sided Tape

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 Skin Double Sided Tape** is a Heavy Duty, Easy to Install, double sided tape used with the AVM Aussie Skin Waterproofing system.

Where to Use

Retaining Walls, Basements, Under-Slabs, Mud-Slabs, Tunnels, etc.:

AVM Aussie Skin Double Sided Tape may be applied on both horizontal and vertical Aussie Skin waterproofing applications and is also used in detailing the Aussie Skin waterproofing system in corners, edges, penetrations, etc. For more information, refer to the **AVM Aussie Skin** documentation.

Application Method:

Pre-Applied to the **AVM Aussie Skin** sheets and also field applied as needed.

Warranty

The **AVM Aussie Skin Double Sided Tape** is part of the **AVM Aussie Skin Waterproofing System**. Refer to the **AVM Aussie Skin** warranty for details.

Delivery, Storage, and Handling

- Delivery of all the **AVM Aussie Skin Double Sided Tape** materials to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Shelf Life: One year from date of manufacture.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.



- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

- All surfaces to which the **Aussie Skin 550 Double Sided Tape** will be applied to must be sound and stable, with an even finish and free from sharp protruding items, dust, loose debris, grease, curing agents, or anything else that might damage or prevent the proper installation of the tape and/or result in improper installation of the membrane.
- The **Aussie Skin Double Sided Tape** may be applied at temperatures as low as 20°F and as high as 110°F. For applications at temperatures between 20°F to 40°F, follow the cold weather installation procedures.
- Do NOT install the **Aussie Skin Double Sided Tape** if raining or precipitation is imminent. Do not proceed with installing any Aussie Skin components or bonding any seams, laps, etc, if the Aussie Skin surfaces are damp or wet. All surfaces must be completely dry to ensure proper bonding!
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Read the **AVM Aussie Skin 550 Installation Instructions** prior to installation. Application instructions vary based on application surfaces, job conditions, temperatures, etc.

Quality Control

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

Protection of Installed Work

- The membrane shall be protected until concrete is properly poured over it.
- ALL Double Sided tape must be covered with Aussie Skin the same day it's installed!
- Always protect the waterproofing from possible damage. If membrane becomes damaged, contact waterproofing installer or AVM before proceeding with pouring concrete.
- Once the Aussie Skin is installed (The seams have been bonded together), the Aussie Skin (including the seams) may be immediately exposed to both, rain or water. Aussie Sealant must be fully cured before it's exposed to rain or water.

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.

Item/Component	Packaging	Approximate Shipping Weights	Qty per Pallet	VOC
Aussie Skin® 550 Membrane 1M (75 Mils)	3.28'x65.6' Roll (215 sq.ft.)	74.8 lbs. (34 KG) / Roll	25 Rolls/Pallet	N/A
Aussie Skin® 550 Membrane 2M (75 Mils)	6.56'x65.6' Roll (430 sq.ft.)	149.6 lbs. (68 KG) / Roll		N/A
Aussie Skin® Detail Strip	7.75"x65.6' Roll	11 Lbs / Roll		N/A
Aussie Skin® Double Sided Tape 4"	4"x33' Roll	2.2 Lbs / Roll		N/A
Aussie Skin® Fabric Tape 4"	3.9"x49' Roll	2.4 Lbs / Roll		N/A
Aussie Skin® Sanded Tape 4"	3.9"x65.6' Roll	6 Lbs / Roll		N/A

No.	Item	Value
1	Permanence of Adhesives,	≥ 20
2	Thermal Resistance	70°C 2h ,no displacement, flow or dropping
3	Low Temperature Flexibility	-25°C, no cracking
4	Peeling strength (N/mm)	Aussie Skin 550 Membrane
		Cement Mortar Board
		Steel
5	Retention rate of Peeling Strength (60°C /168h)	Aussie Skin 550 Membrane
		Cement Mortar Board
		Steel
6	Retention rate of Peeling Strength (Ca(OH) ₂ /168h)	Aussie Skin 550 Membrane
		Cement Mortar Board
		Steel
7	Retention rate of Peeling Strength (Submersion test/168h)	Aussie Skin 550 Membrane
		Cement Mortar Board
		Steel

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

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Aussie Skin® Fabric Tape

Fabric Tape for AVM Aussie Skin® Waterproofing System

Section 071000 / 071300 / 071353 / 071354
Sheet Applied Waterproofing

Product Name

Aussie Skin® Fabric Tape

By

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Product Description

The **AVM Aussie Skin Fabric Tape** is an Easy to Install, Fabric tape used with the AVM Aussie Skin Waterproofing system.

Where to Use

At Penetrations, Terminations, Corners, Edges and other critical areas. Typical applications include Retaining Walls, Basements, Under-Slabs, Mud-Slabs, Tunnels, etc.:

AVM Aussie Skin Fabric Tape Tape may be applied on both horizontal and vertical Aussie Skin waterproofing applications and is also used in detailing the Aussie Skin waterproofing system in penetrations, Terminations, corners, edges, etc. For more information, refer to the **AVM Aussie Skin Installation Instructions**.

Application Method:

Field-Applied as needed.

Warranty

The **AVM Aussie Skin Fabric Tape** is part of the **AVM Aussie Skin Waterproofing System**. Refer to the Aussie Skin Installation Instructions for details.

Delivery, Storage, and Handling

- Delivery of all the **AVM Aussie Skin Fabric Tape** materials to the job site must be in their original sealed packaging, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions. Shelf Life: One year from date of manufacture.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- All surfaces to which the **Aussie Skin Fabric Tape** is applied must be sound and stable, with an even finish and free from sharp protruding items, dust, loose debris, grease, curing agents, or anything else that might damage or prevent the proper installation of the membrane.
- The **Aussie Skin Fabric Tape** may be applied at temperatures as low as 20°F and as high as 110°F. For applications at temperatures between 20°F to 40°F, follow the cold weather installation procedures.
- Do NOT install the **Aussie Skin Fabric Tape** if raining or precipitation is imminent. Do not proceed with installing any Aussie Skin components or bonding any seams, laps, etc, if the Aussie Skin surfaces are damp or wet. All surfaces must be completely dry to ensure proper bonding!
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
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System Application

Read the **AVM Aussie Skin Installation Instructions** prior to installation. Application instructions vary based on application surfaces, job conditions, temperatures, etc.

Quality Control

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

Protection of Installed Work

- The membrane shall be protected until concrete is properly poured over it.
- Fabric Tape must be sealed with either AVM approved Polyurethane Sealant or Aussie Membrane (depending on the application) within 48 hours of being installed. Exposure to UV limits: Fabric Tape with Polyurethane Sealant up to 60 days. Fabric Tape with Aussie Membrane 500/502/520 up to 7 days.
- Always protect the waterproofing from possible damage. If membrane became damaged, contact waterproofing installer or AVM before proceeding with pouring concrete.
- Once the Aussie Skin is installed (The seams have been bonded together), the Aussie Skin (including the seams) may be immediately exposed to both, rain or water. Aussie Sealant must be fully cured before it's exposed to rain or water.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

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8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050

Quality Waterproofing Products



www.avmindustries.com

Aussie Skin® is a registered trademark of AVM Industries, Inc.



Aussie Skin® Sanded Tape

Sanded Tape for AVM Aussie Skin® Waterproofing System

Section 071000 / 071300 / 071353 / 071354
Sheet Applied Waterproofing

Product Name

Aussie Skin® Sanded Tape

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 Skin Sanded Tape** is an Easy to Install, sanded tape used with the AVM Aussie Skin Waterproofing system.

Where to Use

Retaining Walls, Basements, Under-Slabs, Mud-Slabs, Tunnels, etc.:

AVM Aussie Skin Sanded Tape may be applied on both horizontal and vertical Aussie Skin waterproofing applications and is also used in detailing the Aussie Skin waterproofing system in corners, edges, penetrations, un-sanded exposed areas etc. For more information, refer to the **AVM Aussie Skin** Installation Instructions.

Application Method:

Field-Applied to the **AVM Aussie Skin** sheets as needed.

Warranty

The **AVM Aussie Skin Sanded Tape** is part of the **AVM Aussie Skin Waterproofing System**. Refer to the Aussie Skin Installation Instructions for details.

Delivery, Storage, and Handling

- Delivery of all the **AVM Aussie Skin Sanded Tape** materials to the job site must be in their original sealed packaging, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions. Shelf Life: One year from date of manufacture.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- All surfaces to which the **Aussie Skin Sanded Tape** is applied must be sound and stable, with an even finish and free from sharp protruding items, dust, loose debris, grease, curing agents, or anything else that might damage or prevent the proper installation of the membrane.
- The **Aussie Skin Sanded Tape** may be applied at temperatures as low as 20°F and as high as 110°F. For applications at temperatures between 20°F to 40°F, follow the cold weather installation procedures.
- Do NOT install the **Aussie Skin Sanded Tape** if raining or precipitation is imminent. Do not proceed with installing any Aussie Skin components or bonding any seams, laps, etc, if the Aussie Skin surfaces are damp or wet. All surfaces must be completely dry to ensure proper bonding!
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints..

System Application

Read the **AVM Aussie Skin Installation Instructions** prior to installation. Application instructions vary based on application surfaces, job conditions, etc.

Quality Control

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

Protection of Installed Work

- The membrane shall be protected until concrete is properly poured over it.
- Do not leave the membrane exposed for more than 60 days.
- Always protect the waterproofing from possible damage. If membrane became damaged, contact waterproofing installer or AVM before proceeding with pouring concrete.
- Once the Aussie Skin is installed (The seams have been bonded together), the Aussie Skin (including the seams) may be immediately exposed to both, rain or water. Aussie Sealant must be fully cured before it's exposed to rain or water.

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.

Item/Component	Packaging	Approximate Shipping Weights	Qty per Pallet	VOC
Aussie Skin® 550 Membrane 1M (75 Mils)	3.28'x65.6' Roll (215 sq.ft.)	74.8 lbs. (34 KG) / Roll	25 Rolls/Pallet	N/A
Aussie Skin® 550 Membrane 2M (75 Mils)	6.56'x65.6' Roll (430 sq.ft.)	149.6 lbs. (68 KG) / Roll		N/A
Aussie Skin® Detail Strip	7.75"x65.6' Roll	11 Lbs / Roll		N/A
Aussie Skin® Double Sided Tape 4"	4"x33' Roll	2.2 Lbs / Roll		N/A
Aussie Skin® Fabric Tape 4"	3.9"x49' Roll	2.4 Lbs / Roll		N/A
Aussie Skin® Sanded Tape 4"	3.9"x65.6' Roll	6 Lbs / Roll		N/A

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
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Quality Waterproofing Products



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Aussie Skin® is a registered trademark of 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) unlike 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.

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

- 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.
- Handle and store containers in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product. For specific storage advice, please contact AVM Industries and/or its representatives.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

- All surfaces to which the Aussie Membrane 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)
- The Aussie Membrane 502 may be applied to damp but not waterlogged surfaces (Green Concrete)
- 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.
- Warn personnel against hazards of materials to skin and eyes. Note other hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Read the AVM System 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

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

Protection of Installed Work

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

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit **www.avmindustries.com**

System Specifications

See next page.

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

Technical Information		
Color	Emulsion: Dark brown. Membrane: black	
Specific Gravity	1 gr/cm ²	
Solid Content	60% +/- 2%	
Flash Point	Non-flammable	
Service Temperature	15°F-140°F (-10°C to +60°C)	
Application Temperature	40°F-100°F (+5°C to 40°C)	
Heat Stability	>194°F (>90°C)	ASTM D 2939
Cold Flexibility	-4°F (-20°C)	ASTM D 522
Low Temperature Flexibility and Crack Bridging	Pass, Conducted @ -15°F (-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 212°F (100°C)	No Creep	DIN 52123
Resistance to Standing Water	Passed	ASTM D 2939
Bacterial Attack in soil 30 days @ 105°F (40°C)	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)	

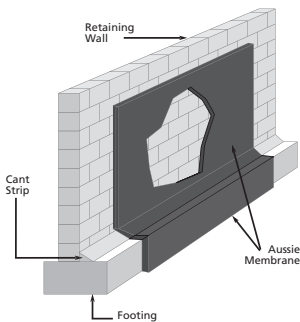
Mixing / Spraying Information	
Mixing Ratio	Accelerator (Salt water): Pour the 55 lbs of salt into 32-35 gallons of water
Spraying Ratio	1 Gallon accelerator (salt water) to 9 gallons of bitumen

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

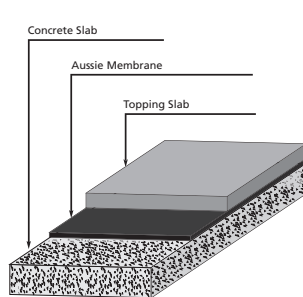
Coverage Tables (for U.S. and Metric Measurements)								
To Get	60 Mils Dry	90 Mils Dry	100 Mils Dry	120 Mils Dry	160 Mils Dry	180 Mils Dry	240 Mils Dry	270 Mils Dry
Apply	100 Mils Wet	150 Mils Wet	160 Mils Wet	200 Mils Wet	160 Mils Wet	300 Mils Wet	400 Mils Wet	450 Mils Wet
For 100 sqft	5.75 Gallons	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 M ²	2.4 kg/m ²	3.6 kg/m ²	4.0 kg/m ²	4.8 kg/m ²	6.5 kg/m ²	7.3 kg/m ²	9.6 kg/m ²	10.8 kg/m ²

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

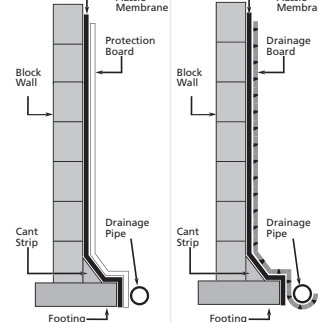
Retaining Wall with Aussie Membrane



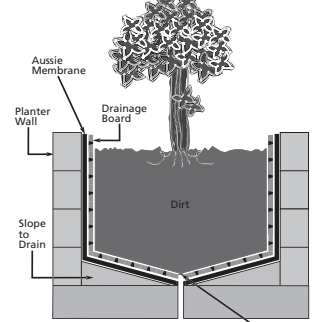
In-Between Slab Waterproofing



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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GPL-16

Green Polyolifin Liner, 16 Mils Thick Heavy Duty, Class A Vapor Retarder and Membrane Liner

Product Name

GPL-16

Manufactured by

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

Product Description

GPL-16 is a 16 mils thick, heavy duty, high performance green polyolefin vapor retarder and membrane liner.

Where to Use

GPL-16 is used as a backing liner for AVM Aussie Membranes 500 and 502 when used in blind side and under-slab waterproofing applications. GPL-16 may also be used as a root inhibitor when installed over waterproofing membranes and under the drainage media. GPL-16 is also commonly used as a vapor retarder under slabs designed to control moisture migration through slabs and to control radon, methane, sulphates and many other soil contaminants.

Application Method:

Pre-Applied, loosely laid.

Warranty

We warrant and guarantee our specifications as published. Published test results are based upon accepted industry practice as well as the test methods called for and listed on our test documents. We believe, to the best of our knowledge, that our published results are accurate and reliable and that they represent our vapor retarder membrane. AVM cannot control site conditions and improper installation practices. Therefore, no warranty, expressed or implied, is given, including those of merchantability, fitness for a particular purpose or any other matter with respect to the product. If GPL-16 is installed as part of a system (Aussie II, Aussie Skin Dual System, etc), then refer to those system warranties for further details. For complete warranty details, contact AVM Industries or consult with your applicator.

Delivery, Storage, and Handling

- Delivery of all the AVM GPL-16 materials to the job site must be in their original sealed packaging, with manufacturer's name and label intact.
- Handle and store materials in accordance with printed instructions. Shelf Life: Two years from date of manufacture.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.



- Failure to comply with the recommended storage conditions may result in premature deterioration of the product.
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

- All surfaces to which the GPL-16 is applied must be sound and stable, with an even finish and free from sharp protruding items, dust, loose debris, grease, curing agents, or anything else that might damage or prevent the proper installation of the membrane.
- Do not apply materials at temperatures below 50°F and falling or if precipitation is imminent. Do not apply materials in direct sunlight at temperatures above 90°F and rising.
- Warn personnel against hazards or hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Read the AVM GPL-16 Installation Instructions Prior to Installation. Application instructions vary based on application surfaces, job conditions, etc.

Installation

On floors, the GPL-16 liner shall be installed over tamped earth, sand or aggregate base by unrolling and completely covering area to receive building slab or specified area. On walls, securely fasten to lagging or other support structures. Overlap all seams a minimum of 6" and seal with GPL Seam Tape or heat weld. All penetrations must be sealed with Aussie Membrane or Aussie Sealant per manufacturer's recommendations. When used as a root inhibitor, install the GPL-16 over the waterproofing membrane and under the drainage media. (Some plants have very aggressive roots. Consult with your landscape professional to ensure the GPL-16 will provide sufficient protection).

Quality Control

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

Protection of Installed Work

- The liner shall be protected until concrete is properly poured over it or a membrane is installed on it.
- Do not leave the liner exposed for more than 14 days.
- Always protect the liner from possible damage. If liner becomes damaged, contact the waterproofing installer or AVM before proceeding with pouring concrete or applying the membrane.

Availability and Cost

Contact AVM Industries or your approved applicator or distributor 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.

Item/Component	Packaging	Approx. Shipping Weights	Qty per Pallet	VOC
GPL-16 Liner	12.75'x150' (1912.5 sq.ft.)	145 lbs (66 KG) / Roll	20 Rolls/Pallet	N/A
GPL-16 Seam Tape White	4"x150' Roll (12 rolls/Case)	2.4 Lbs (1.1 KG) / Roll	Call	N/A

No.	Item	Value	Test Method
1	Classification	ASTM E 1745	Exceed Class A, B and C
2	Water Vapor Permeance	ASTM E 96	0.007 perms (US)
3	Tensile Strength	ASTM E 154-93 (ASTM D 882)	83.75 lbf / in
4	Puncture Resistance	ASTM D 1709	3960 grams
5	Life Expectancy	ASTM E 154	Indefinite
6	Chemical Resistance	ASTM E 154	unaffected

Applicable Standards	
ASTM	American Society for Testing & Materials
ASTM-E 1745	Standard Specification for Water Vapor Retarders used in Contact with Soil or Granular Fill Under Concrete Slabs.
ASTM-E 154	Standard Test Methods for Water Vapor Retarders used in Contact with Earth Under Concrete Slabs, on Walls, or as a Ground cover.
ASTM-D 1709	Standard Test Methods for Impact Resistance of Plastic Films by the Free Falling Dart Method.
ASTM-E 96	Standard Test Method for Water Vapor Transmission of Materials.
ASTM-D 882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
ASTM E 1643	Standard Practice for installation of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slabs.

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

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AVM Aussie Swell® Red (The Red Waterstop) Expandable Waterstop (75% Bentonite)

AVM System 940, Aussie Swell® Red, Expandable Waterstop with a minimum 75% Bentonite content.

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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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

- 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.
- 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.
- 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)

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

Quality Control

- Visually inspect all the Aussie Tube Injection System components to ensure proper and secure installation.
- 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

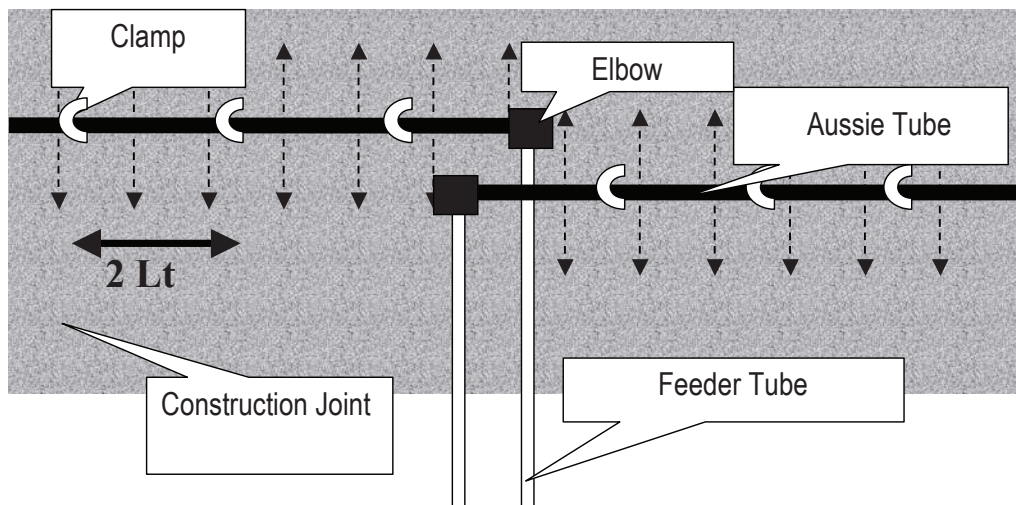
The Feeder Hose forms the end of the Aussie Tube system, which extends out of the form work. At the end of this hose an injection nipple can be connected later on for the injection process.

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



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



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 bonardized 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) Pass 1/4 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

www.avmindustries.com





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 cusped 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.

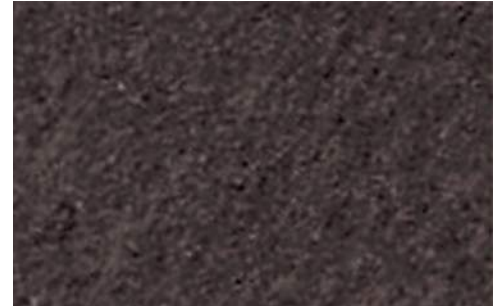
AVM Drain Board 6000 / 6020

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	Fabric	6000/6020	6000XL/6020XL
Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm ²)	16,500 psf (790 kNm ²)	Flow (ASTM D-4491)	140 gal/min/ft ² (5704 L/min/m ²)	110 gal/min/ft ² (4482 L/min/m ²)
Thickness (ASTM D-1777)	.40" (10.16 mm)	.40" (10.16 mm)	Puncture (ASTM D-4833)	65 lbs. (.30 kN)	95 lbs. (.42 kN)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)	21 g/min/ft (260 L/min/m)	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)	8.5 ft. (2.59 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.





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 cusped 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 9020 with the addition of a protection sheet bonded to the back side of the cusped 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 cusped sheet bonded to a layer of heavy-duty non-woven filter fabric (8 oz./sq. yd).



Delivery, Storage, and Handling

- Packing and shipping: Provide materials in original unopened containers with manufacturer's labels intact and legible.
- Acceptance at site:
 - Unload materials: check for damage.
 - Damaged materials determined by visual inspection will not be accepted.
 - Remove rejected materials from site immediately.
- Storage and protection:
 - Store materials in dry area in manufacturer's protective packaging with labels and installation instructions intact.
 - Store materials under cover, off ground; protect from sunlight.
 - 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

- 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.
- 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.
- Protect adjacent surfaces which could be damaged during the application procedure.

Inspection of Substrates

- Verify 1% slope to underslab collection pipes or site water drainage system at underslab drainage system location substrate.
- 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

- 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.
- 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	Fabric	9000/9020	9080
Compressive Strength (ASTM D-1621)	21,000 psf (1005 kNm ²)	21,000 psf (1005 kNm ²)	Flow (ASTM D-4491)	145 gal/min/ft ² (5907 L/min/m ²)	95 gal/min/ft ² (3866 L/min/m ²)
Thickness (ASTM D-1777)	.40" (10.16 mm)	.40" (10.16 mm)	Puncture (ASTM D-4833)	100 lbs. (.44 kN)	130 lbs. (.58 kN)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	21 g/min/ft (261 L/min/m)	21 g/min/ft (261 L/min/m)	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. (2.45 m)	100.0	100.0	

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

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Material Safety Data Sheet

AVM Aussie Skin 550

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Aussie Skin 550

TRADE NAME: AVM

CHEMICAL NAME / SYNONYM:

High Density Polyethylene (HDPE)

CHEMICAL FAMILY:

Plastic Laminate, Plastic sheet

By:

AVM Industries, Inc.

ADDRESS:

8245 Remmet Ave, Canoga Park, CA 91304. Tel: 818-888-0050 www.avmindustries.com

NFPA Hazard Rating



1
1
1

Special Hazards

-

HMIS Hazard Rating



1
1
0

Personal Protection

X

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
HDPE Resin	9002-88-4	90%		NE	NE
EVA Resin	24937-78-8	5%		NE	NE
Agent	-----	5%		NE	NE

Hazardous Ingredients:

This product is considered to be a finished article as defined by 29 CFR 1910.1200 and is exempt from the requirements of the Hazard Communication standard. This product is nonhazardous as per 29 CFR 1910.1200.

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Contact

SIGNS & SYMPTOMS OF EXPOSURE

EYES: N/A

SKIN: May cause irritation to the skin.

INGESTION: N/A

INHALATION: N/A

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

CARCINOGENICITY: N/A

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYES: No known effect on eye contact, rinse with water for a few minutes.

SKIN: No known effect on skin contact; rinse with water for a few minutes.

INHALATION: Allow exposed person to rest in a well ventilated area.

INGESTION: Do not ingest. Contact Poison control and seek medical attention immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, water spray or foam

HAZARDOUS COMBUSTION PRODUCTS:

HCl gas, carbon monoxide, carbon dioxide. Hazardous emissions may occur during processing at elevated temperatures.

RECOMMENDED FIRE FIGHTING PROCEDURES:

Small Fire: Use Dry Chemical, carbon dioxide, water spray or foam.

Large Fire: Use water spray, fog or foam. DO NOT use water jet. All fires produce toxic gases. Fire fighter should use self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Flammable when exposed to external ignition sources such as shocks, heat, flames and sparks.

SECTION 6: ACCIDENTAL RELEASE MEASURES**ACCIDENTAL RELEASE MEASURES:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Recycle to process if possible. Consult your local or regional authorities.

SECTION 7: HANDLING AND STORAGE**HANDLING AND STORAGE:**

Stored in a cool, well ventilated area.

OTHER PRECAUTIONS:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Keep away from sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS / VENTILATION:**

This product is combustible. Use adequate ventilation when heat welding this product.

RESPIRATORY PROTECTION:

A self contained breathing apparatus should be used to avoid inhalation of the product when exposed to extreme temperatures.

EYE PROTECTION:

Use safety goggles when appropriate.

SKIN PROTECTION: Use impervious gloves and clothing when appropriate.

OTHER PROTECTIVE EQUIPMENT: Boots, protective suit.

WORK HYGIENIC PRACTICES:

Use proper protective equipment at all times and wash after handling material.

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR: Thin sheet in roll form, white color. Normal odor.

FLASH POINT: N/A

LOWER EXPLOSIVE LIMIT: N/A

METHOD USED: N/A

UPPER EXPLOSIVE LIMIT: N/A

EVAPORATION RATE: N/A

BOILING POINT: N/A

pH (undiluted product): N/A

MELTING POINT: 300 °F

SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 1.3-1.5
VAPOR DENSITY: N/A
PERCENT VOLATILE: N/A
VAPOR PRESSURE: N/A
MOLECULAR WEIGHT: N/A
VOC WITH WATER (LBS/GAL): N/A
WITHOUT WATER (LBS/GAL): N/A

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: STABLE ☒ UNSTABLE ☐

CONDITIONS TO AVOID (STABILITY): Hazardous decomposition occurs above 400 °F.

INCOMPATIBILITY (MATERIAL TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: HCl gas is evolved.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

This product, as supplied, is not regulated as a hazardous waste by the Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.

RCRA HAZARD CLASS: None

SECTION 14: TRANSPORTATION INFORMATION**PROPER SHIPPING NAME:**

This product is not classified as a hazardous material for transport.

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: N/A

OTHER: N/A

SECTION 15: REGULATORY INFORMATION**EPA Regulations:**

RCRA Hazardous Waste Number: Not Listed

RCRA Hazardous Waste Classification: Not Classified

CERCLA Hazardous Substance: Not Listed

CERCLA Reportable Quantity (RQ): Not Listed

SARA 311/312 Codes: This product is not subject to SARA Title III requirements

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not Listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z -1 - A): Not listed

OSHA Specifically Regulated Substance: Not Listed

State Regulations: California Proposition 65: **WARNING:** This product contains a chemical known to the state of California to cause cancer.

SECTION 16: OTHER INFORMATION**CALIFORNIA PROPOSITION 65:**

THIS MATERIAL MAY CONTAIN ANY SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE DEFFECTS.

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this MSDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Material Safety Data Sheet

AVM Aussie Skin 550 Tape

[1] PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aussie Skin 550 Tape
Company: AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
Tel: (818) 888-0050 www.avmindustries.com

[2] COMPOSITION / INFORMATION ON INGREDIENTS

	Component %	CAS No
Rubber chips	28 %	68071-29-4
Polybutene	11%	9003-28-5
Wang resin	40%	201058-08-4
Agent	11%	
Others	10%	

Inhalation

The product is not likely to cause effects on the respiratory system. If the Tape is torch-applied, asphalt fumes can be emitted of the product and cause irritations to the nose, the throat and the respiratory tracts, tiredness, headaches, dizziness, nauseas and insomnia.

Ingestion

Exposure is not likely to occur by this route of entry under normal use of the product.

Skin Contact

The repeated or prolonged contact will not cause irritation. If the tape is torch-applied, asphalt fumes can be emitted. The long-term exposure to the asphalt fumes can cause changes of the pigmentation of the skin which can be worsened by the exposure to the sun.

Eye Contact

The product is not likely to cause effects to the eyes. If the tape is torch-applied, asphalt fumes can be emitted of the product and cause irritations, redness and conjunctivitis to the eyes. The contact with this product at high temperature can cause thermal burns.

[3] First-aid Measures

Inhalation

Remove to fresh air. Give oxygen / artificial respiration if needed. Consult Doctor.

Ingestion

Do not induce vomiting.

Eye Contact/Skin Contact

Remove contaminated clothing. Apply proprietary skin cleaner,

[4] Fire-fighting Measures**Extinguishing Media**

Dry powder, CO2, Earth, Sand, Foam. Do not use Water.

Special Fire Fighting procedures

Wear self-contained breathing apparatus, Full protective clothing. Spray drums with Water to keep cool.

Unusual Fire & Explosion Hazards

Vapor is heavier than air. Combustion Produces toxic gases

[5] Accidental Release Measures / Spills and Leaks**Steps to be taken in case material is released or spilled**

Absorb onto inert material, e.g. sand, earth. Put into suitable containers. Prevent from entering water ways

[6] Handling & Storage**Precautions for safe handling**

Keep in tightly closed containers out of direct sunlight, in a cool dry area and away from all sources of ignition.

Store between 50°F and 90°F

Other precautions

Store away from oxidizing agents, peroxides, Food stuffs

[7] Exposure Controls / Personal Protection**Respiratory Protection (Type)**

Self-contained breathing apparatus if in enclosed spaces. Otherwise, not normally required.

[8] Ventilation**Local Exhaust**

Ensure adequate ventilation to comply with OEL.

Protective Gloves Rubber, PVC

Eye Protection Safety goggles Long sleeved shirts

[9] Physical & Chemical Properties

Appearance:	transparent flashing tape	Glue Shape
pH	N/A	
Boiling Point/Boiling range °C	N/A	
Specific Gravity	N/A	
Vapor pressure (MM mercury)	N/A	
Melting Point / Freezing point	N/A	
Water Solubility	Insoluble	
Viscosity	N/A	
Percentage Volatile by volume %	N/A	
Evaporation Rate (Butyl Acetate=1)	N/A	
Flash Point °C / Method used	N/A	
Lower Explosive limits	NA	
Upper Explosive limits	NA	

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	High temperatures
Incompatibility/Materials to avoid	Oxidizing agents, strong acids, alkalis, Halogens
Hazardous Decomposition Products	Combustion produces toxic gases
Hazardous Polymerization	Will not occur

[11] Toxicological Information

No information available on this product

[12] Ecological Information

No data, This product is not biodegradable. No possible bio-accumulation and unlikely bio-concentration in the food chain.

[13] Disposal Consideration

This product is not hazardous waste. Consult local, and state for proper disposal methods

[14] Transport Information

Class This product is not regulated by Department of Transportation

[15] Regulatory Information (Risk & Safety Phrases)

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment Wear suitable protective clothing, gloves and eye / face protection

[16] Other information**CALIFORNIA PROPOSITION 65:**

THIS MATERIAL MAY CONTAIN SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE DEFFECTS.

The contents and format of this MSDS are in accordance with ISO Commission Directive ISO11014-1:1994.

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this MSDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

SAFETY DATA SHEET

Aussie Membrane (AVM System 500 & 502)

Page 1 of 8

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

Identified 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

SAFETY DATA SHEET

Aussie Membrane (AVM System 500 & 502)

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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 stuck 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.

SAFETY DATA SHEET

Aussie Membrane (AVM System 500 & 502)

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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.

SAFETY DATA SHEET

Aussie Membrane (AVM System 500 & 502)

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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/cm³

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.

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Aussie Membrane (AVM System 500 & 502)

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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

SAFETY DATA SHEET

Aussie Membrane (AVM System 500 & 502)

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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

SAFETY DATA SHEET

Aussie Membrane (AVM System 500 & 502)

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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 Industries, Inc.

Safety Data Sheet (SDS)

By

GPL-16

(Green Polyolifin Liner, 16 Mils Thick)

8245 Remmet Ave
Canoga Park, CA 91304
Telephone: (818) 888-0050 Fax: (818) 888-0030

09/09/2015

Emergency: 818-888-0050

1. PRODUCT IDENTIFICATION

Product Name: AVM GPL-16
Product Code: GPL-16
Chemical Family: Polyethylene Compounds
Chemical Name: Not Applicable
CAS No: Proprietary, XF Film, VF Film, Cross Laminated PE Film, Spiral Cut PE Film,
Synonyms: GPL-16, GPL-16SF, GPL-16DF.
Formula: Proprietary
Technical Information: (818) 888-0050

2. PRODUCT INGREDIENTS

<u>No.</u>	<u>Components</u>	<u>CAS No.</u>	<u>Percent(%)</u>	<u>OSHA PEL</u>
1	Polyethylene	9002-88-4	50-100%	Not established
2	Proprietary	Mixtures	0-50%	Not established

3. PHYSICAL/CHEMICAL PROPERTIES

Physical Form: Solid
Color: Finished films with colors specified
Odor: Insignificant
Boiling Point: Not applicable
Melting Point: 120-130°C
Freezing Point: Not applicable
Solubility in Water: None
Specific Gravity: 0.7- 1.2 (water= 1)
Vapor Density: Not applicable (air= 1)
Evaporation Rate: None (Butyl Acetate= 1)
Vapor Pressure: Not applicable
o/o Volatile: None
pH: Not applicable

The physical data presented above are typical values and should not be construed as a specification.

4. FIRE HAZARD DATA AND FIGHTING METHOD

Flash Point: Not applicable
Autoignition: Not applicable
Flammable Limits
In Air (LEL, %) Not applicable

(UEL,%)	Not applicable
Extinguishing Media:	Dry chemical, carbon dioxide or foam
Special Fire Fighting Procedure:	In the event of a fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Extinguish fires with foam or dry chemical. Do not use water jet
Unusual Fire and Explosion Hazards:	Avoid accumulation and dispersion of dust to reduce explosion potential. Fire may produce irritating gases and dense smoke.

5. HUMAN HEALTH DATA

Emergency Overview:	Practically nontoxic
Primary Route(s) of Exposure:	Inhalation, Eye, Skin Contact

Potential Health Effects and Symptoms of Over-Exposure Negligible hazard at room temperature under normal use.

Eye Contact: Solid flake or dust may cause transient irritation as a result of mechanical abrasion.

Skin Contact: Essentially no irritation to skin. Mechanical injury only. Hot solid may cause thermal burns.

Inhalation: Exposure to dust at high concentration may cause irritation to respiratory tract

Ingestion: May cause choking if swallowed.

Medical Conditions

Aggravated by

Overexposure: Not expected Product is generally accepted as being biologically inert. No specific antidotal treatment, symptomatic support required.

Carcinogenicity: NTP: No C: No OSHA: No

6. FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with water for at least 15 minutes. Do not rub the eyes. If Irritation or other symptoms occur, consult a physician.
Skin Contact:	Get medical attention for serious burns. In case of skin contact with hot product, Immediately immerse in or flush with clean, cold water.
Inhalation:	Remove to fresh air. Consult physician if irritation of respiratory passage occurs.
Ingestion:	Consult physician.
Notes to Physician:	No known delayed effects following single exposure.
Other Instructions:	None

7. EXPOSURE CONTROLS, PERSONAL PROTECTION RECOMMENDATIONS

Eye Protection:	Safety glasses
Skin Protection:	Gloves required when handling hot material
Respiratory Protection:	None required in normal use of product NIOSH approved dust mask recommended if dust conditions exist
Engineering Control:	Ventilation Requirements-General General ventilation should be sufficient. However, if operating conditions create High airborne concentrations of this material, special ventilation may be needed. If handling results in dust generation, special ventilation may be needed to ensure that Dust exposure does not exceed the OSHA PEL for nuisance dust
Required Work/Hygiene Procedure:	Minimize contact with skin. Do not eat, drink or smoke in work area. Wash hands Thoroughly after handling, especially before eating drinking, smoking, chewing or using restroom facility. Dusted clothing and shoes should be thoroughly cleaned Before use.

Exposure Guidelines:

No.	COMPONENTS	OSHA-PEL	ACGffi-TLV
1	Polyethylene	None	None

8. ACCIDENTAL RELEASE CONTROL MEASURES

Response to Spills: Not applicable

9. HANDLING AND STORAGE

Handling: Wear safety glasses during cutting and fabricating processes. Electrostatic charge may build up during handling. Grounding of equipment is recommended.

Storage: Store in a dry place and away from direct sunlight.

Container Use: Keep container closed

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Strong oxidizers

Hazardous

Decomposition: Carbon dioxide, carbon monoxide

Hazardous

Polymerization: Will not occur

11. DISPOSAL CONSIDERATIONS

Disposal Method: It must be disposed of in accordance with Federal, State and local environmental control regulations.

Recycle/Reclaim: Recycling and reclamation of product should be encouraged where possible.

12. TRANSPORT INFORMATION

DOT Shipping Name: Not listed

DOT Label: Not regulated

DOT Hazard Class: Not applicable

UN/NA Number: Not applicable

Hazard Label(s): Not applicable

Hazard Placard(s): Not applicable

Packing Group: Not applicable

Bulk Packaging: Not applicable

RQ: Not applicable

Emergency Response

Guide (ERG) No.: Not applicable

13. TOXICOLOGICAL INFORMATION

The information provided below can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

Chemical	Toxicity Data
Polyethylene	No toxicology data available
	Polyethylene is not considered hazardous materials under the OHSA Hazard Communication Standard

14. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this product on the environment. Neither COD or BOD data are available.

15. REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION

Polyethylene

OSHA Status:	None
EPA Clean Air Act Status:	None
EPA Clean Water Act Status:	None
TSCA Status:	All ingredients are listed on TSCA Inventory (40 CFR710)
CERCLARQ:	None

SARA Title III

Polyethylene

Section 302(i)

None

Section 313 (ii)

None

Section 311/312 (iii)

None

- (i) Reportable quantity of extremely hazardous substance, Sec. 302
planning quantity, extremely hazardous substance, Sec. 302
- (ii) Toxic Chemical. Sec 313
Category as required by Sec 313 (40CFR372.65C). Must be used on Toxic Release Inventory form.
- (iii) Hazard category for SARA Sec.311/312 reporting H1=acute health hazard, H2=chronic health hazard, P3=fire hazard, P4=sudden release of pressure hazard, PS=reactive hazard

RCRA Status: If disposed of in its purchased form, this would not be a RCRA hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40CFR261.20-24).

OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product-specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

State

None

Chemical

Polyethylene

Regulation

None

Product Name: GPL-16, GPL-16SF, GPL-16DF

International

None

16. OTHER INFORMATION

NFPA

Fire-1

Health-0

Reactivity-0

Specific Hazard-None

HMIS

Health- 0

Flammability - 1

Reactivity - 0

Personal Protection Index - E

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Aussie Swell Red

Safety Data Sheet

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

Revision date: 12/11/2017

Version: 1.0

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 telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS classification

Acute Tox. 4 (Oral) H302

Carc. 1A H350

STOT RE 1 H372

2.2. Label elements

GHS labelling

Hazard pictograms (GHS)



Signal word (GHS)

: **Danger**

Hazard statements (GHS)

: H302 - Harmful if swallowed
H350 - May cause cancer
H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation)

Precautionary statements (GHS)

: P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust
P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear eye protection, protective gloves, protective clothing, respiratory protection
P301+P312 - If swallowed: Call a POISON CENTER, a doctor if you feel unwell
P308+P313 - If exposed or concerned: Get medical advice/attention
P314 - Get medical advice/attention if you feel unwell
P330 - Rinse mouth
P405 - Store locked up
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)

No data available

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

Aussie Swell

Safety Data Sheet

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

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	: Harmful if swallowed. May cause cancer. Causes damage to organs through prolonged or repeated exposure.
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.
Chronic symptoms	: May cause cancer. Causes damage to organs through prolonged or repeated exposure.

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.
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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	: 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

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	: Ventilate area. 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.

Aussie Swell

Safety Data Sheet

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

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. Do not breathe dust. 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/m ³)	3 mg/m ³ (respirable particles) 10 mg/m ³ (inhalable particles)
OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable fraction) 15 mg/m ³ (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/m ³)	0.025 mg/m ³ (respirable fraction)
OSHA PEL (TWA) (µg/m ³)	50 µg/m ³ (respirable crystalline silica)
Alberta (TWA)	0.025 mg/m ³ (respirable particulate)
British Columbia (TWA)	0.025 mg/m ³ (respirable particulate)
Manitoba (TWA)	0.025 mg/m ³ (respirable fraction)
New Brunswick (TWA)	0.025 mg/m ³ (respirable fraction)
Newfoundland and Labrador (TWA)	0.025 mg/m ³ (respirable fraction)
Northwest Territories (TWA)	0.05 mg/m ³ (respirable fraction)
Nova Scotia (TWA)	0.025 mg/m ³ (respirable particulate)
Nunavut (TWA)	0.05 mg/m ³ (respirable fraction)
Ontario (TWA)	0.10 mg/m ³ (respirable fraction)
Prince Edward Island (TWA)	0.025 mg/m ³ (respirable fraction)
Quebec (TWA)	0.10 mg/m ³ (respirable fraction)
Saskatchewan (TWA)	0.05 mg/m ³ (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. Insufficient ventilation: wear respiratory protection.



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 : 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.

Aussie Swell

Safety Data Sheet

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

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 %
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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, CO₂).

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	: May cause cancer.

Silica: Crystalline, quartz (14808-60-7)

IARC group	1 - Carcinogenic to humans
------------	----------------------------

Aussie Swell

Safety Data Sheet

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

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure (Inhalation).
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.
Chronic symptoms	: May cause cancer. Causes damage to organs through prolonged or repeated exposure.

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) Health hazard - Carcinogenicity Health hazard - Specific target organ toxicity (single or repeated 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	

Aussie Swell

Safety Data Sheet

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

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.

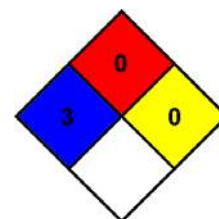
Silica: Crystalline, quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant 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 1.0: New SDS Created.
Revision date : 12/11/2017
Other information : Author: BCS.

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent 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.



Hazard Rating

Health : 3*
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

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

AVM Aussie Seal M

Safety Data Sheet

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

3.2. Mixtures

Name	Product identifier	%
N-[3-(Trimethoxysilyl)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.
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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.
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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.
-----------------	--

AVM Aussie Seal M

Safety Data Sheet

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

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-(Trimethoxysilyl)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

AVM Aussie Seal M

Safety Data Sheet

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

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%
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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, CO₂). Sulfur oxides. Hydrogen sulfide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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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.
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12.2. Persistence and degradability

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

AVM Aussie Seal M

Safety Data Sheet

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

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.

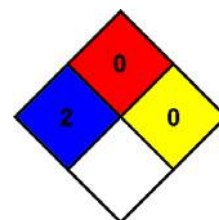
Revision date : 04/14/2017

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 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 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 IDENTIFICATION:

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 CFR 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:

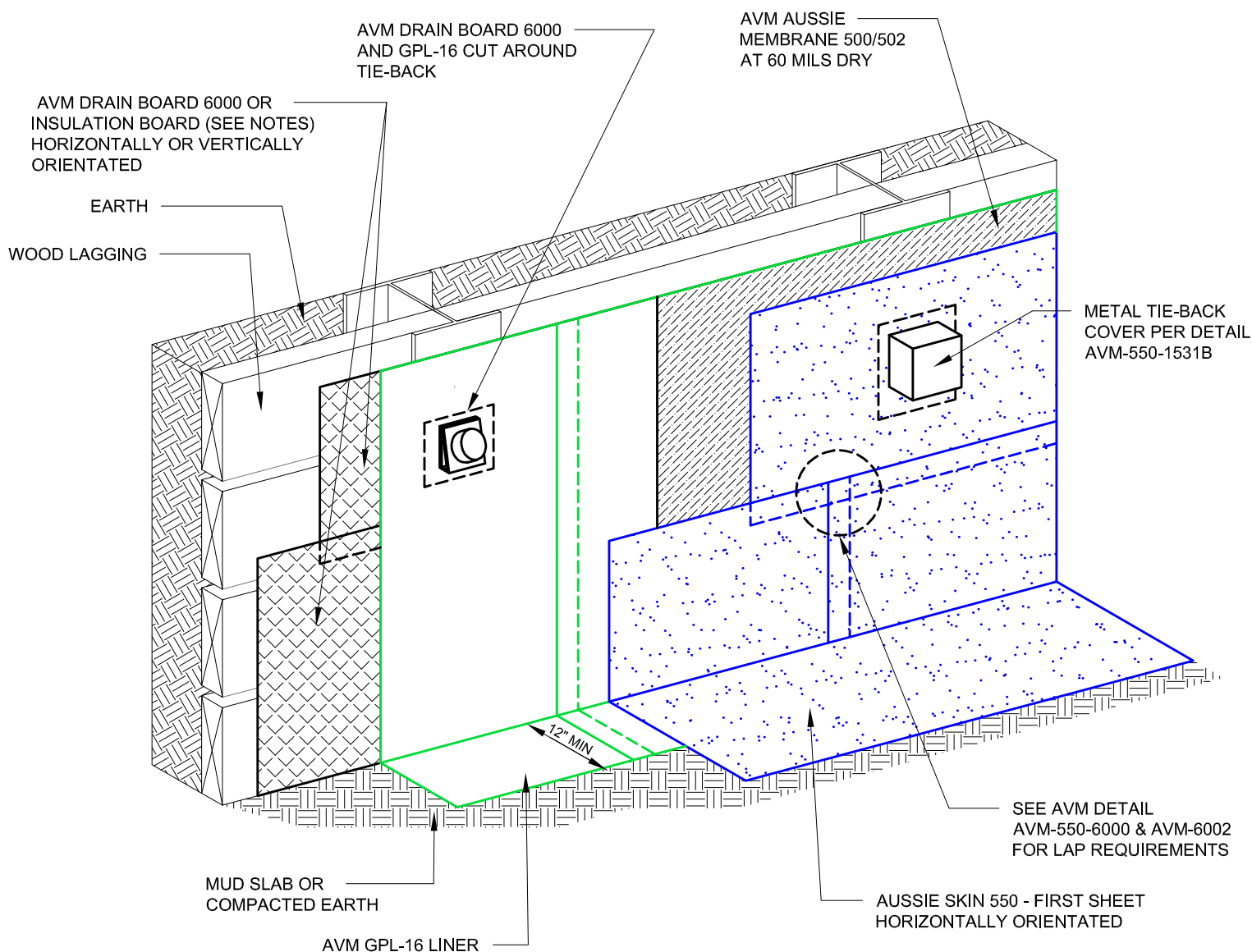
Spill or Leak Procedures: Solid material, normal clean-up procedure.
Waste Disposal: Insure conformity with all applicable disposal regulations. Product does not meet the definition of hazardous waste.

STORAGE:

No special requirements for storage.

DETAIL #:
0550-0001B
AVM System 550
Aussie Skin 550
Dual System Patent Pending

Typical Lagging Wall Dual System (Hydrostatic)



Notes:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Contact AVM if no drain board or protection board is specified.
3. Remove/grind/repair as necessary any other protrusions, sharp edges, etc that may puncture or damage the membrane.
4. When using nails to hang the membrane, make sure all nails are flush with the membrane's surface or slightly sunken in below it. (Nails protruding above the membrane's surface may puncture the membrane)
5. All nails, screws etc used to hang the Aussie Skin above the water table must be non-rusting and sealed with Aussie Seal M.
6. Install the Aussie Membrane 500/502 (min 60 mils dry) over a polyolefin liner (Min 15 Mils thick)
7. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions.

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

Quality Waterproofing Products

888.414.1041 818.888.0050
www.avmindustries.com

FILE NAME: 0550-0001B

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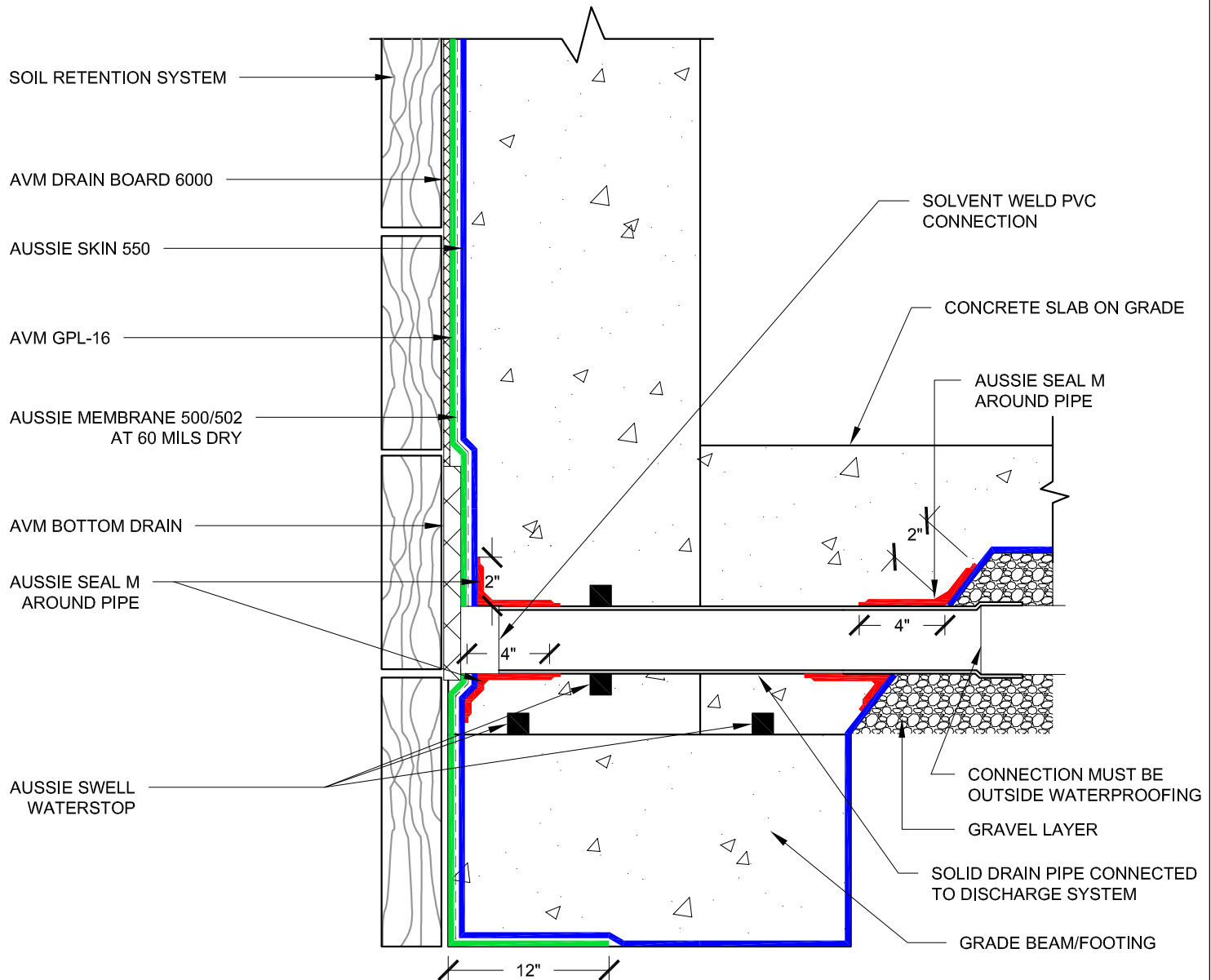
DETAIL #:
0550-0101

AVM System 550

Aussie Skin 550

Dual System Patent Pending

Raised Slab - Dual System



Notes:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.

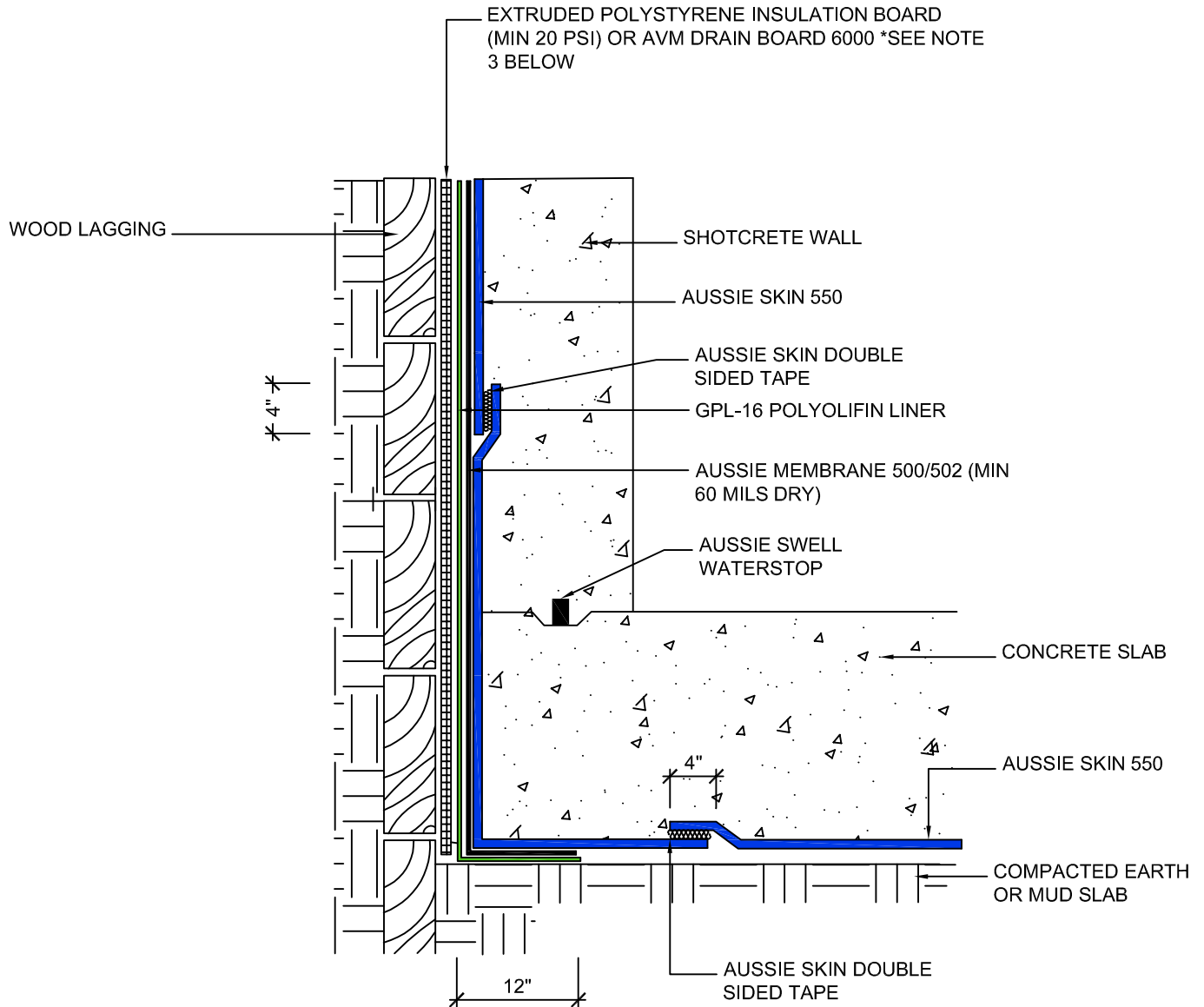
DETAIL #:

AVM-550-1520

AVM System 550

Aussie Skin 550

Blind Side Waterproofing over Lagging, Dual System (Hydrostatic)



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502 Min Thickness Table.
3. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions.

Installation Below Water Table / Hydrostatic Conditions

1. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie tape.
2. Contact AVM for appropriate water stop system to be used.
3. Below the water table, drain board may be substituted with approved protection layer.

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Quality Waterproofing Products

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FILE NAME: 0550-1520

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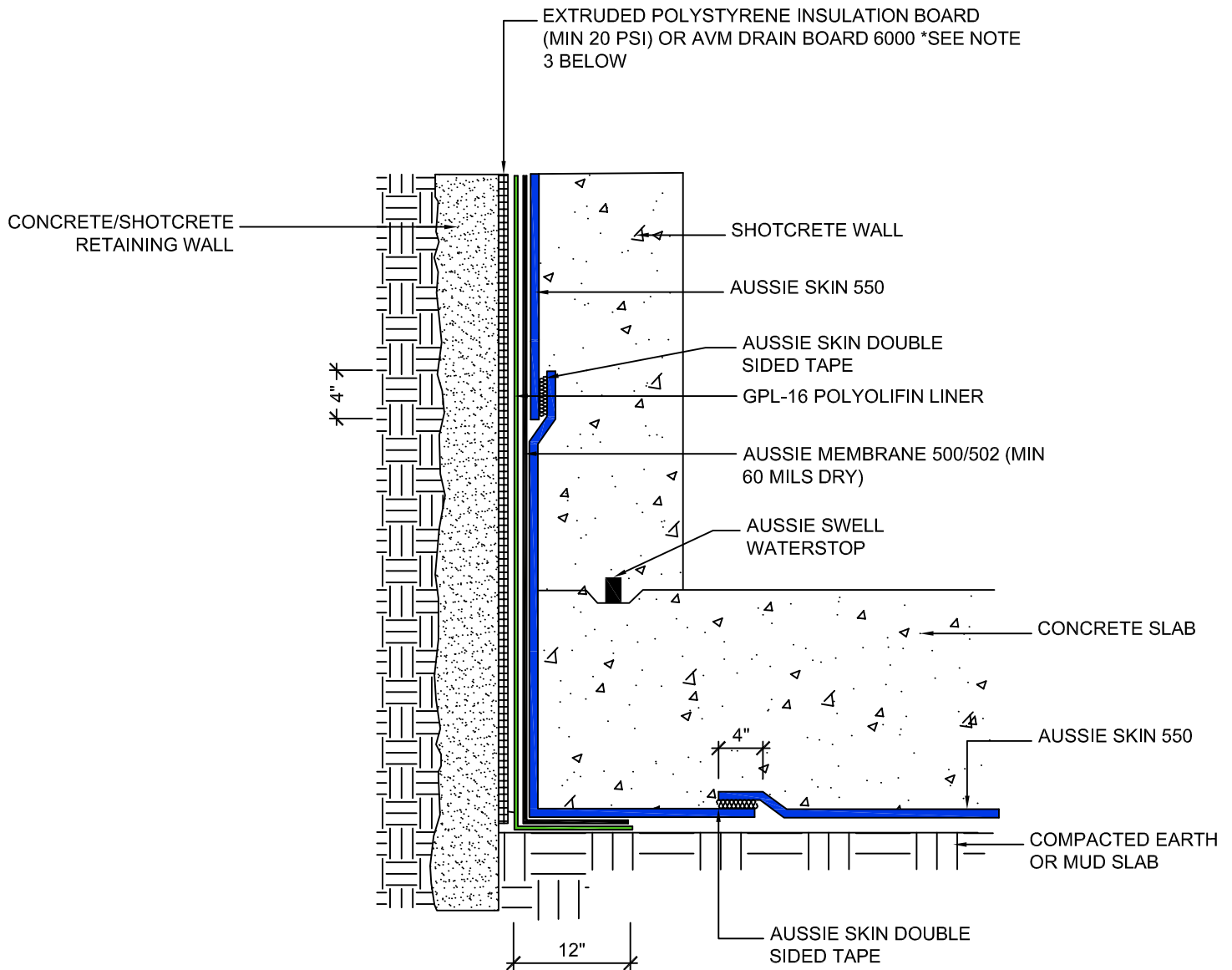
DETAIL #:

AVM-550-1521

AVM System 550

Aussie Skin 550

Blind Side Waterproofing over Concrete/Shotcrete, Dual System (Hdrostatic)



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502 Min Thickness Table.
3. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions.

Installation Below Water Table / Hydrostatic Conditions

1. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie tape.
2. Contact AVM for appropriate water stop system to be used.
3. Below the water table, drain board may be substituted with approved protection layer.

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FILE NAME: 0550-1521

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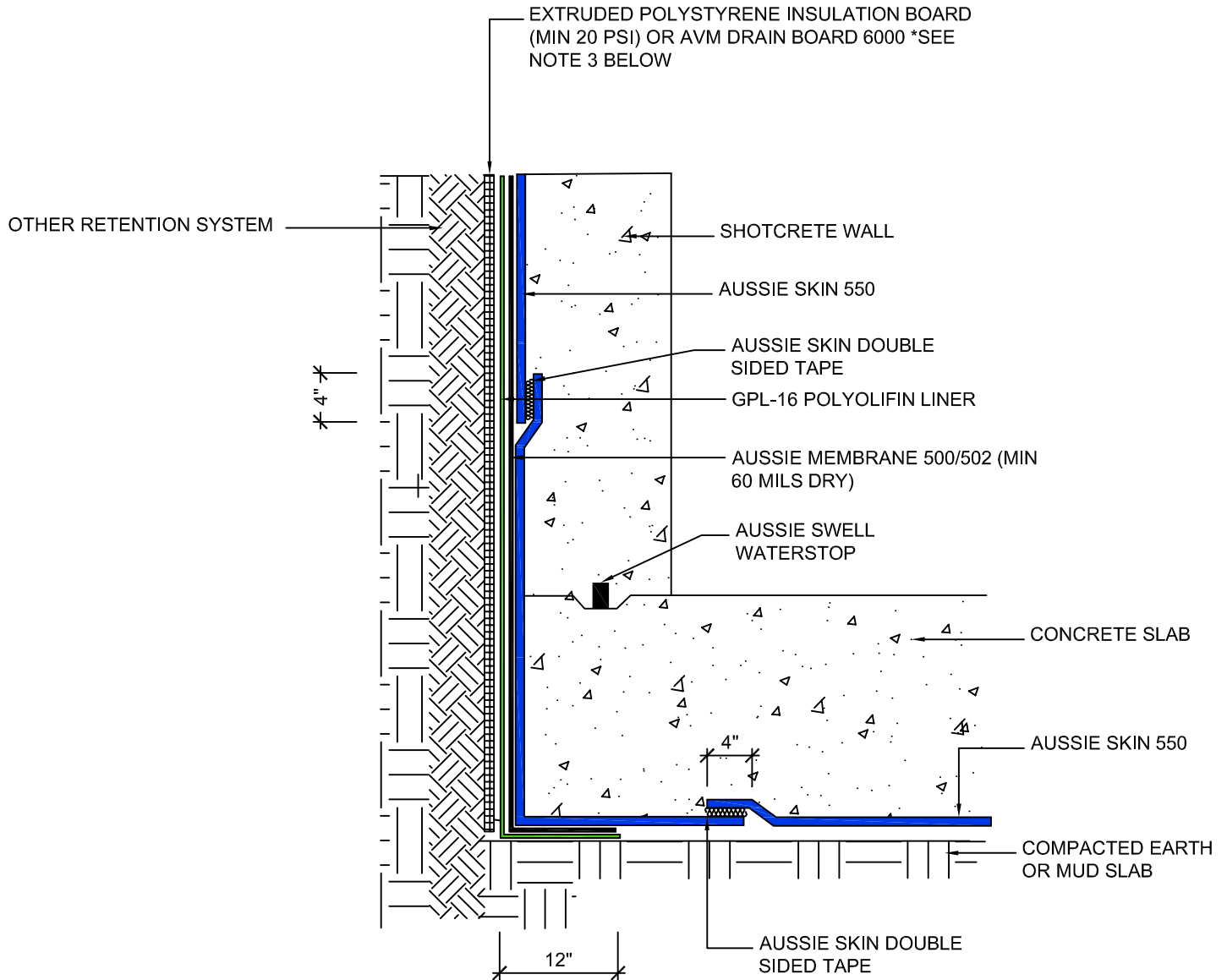
DETAIL #:

AVM-550-1522

AVM System 550

Aussie Skin 550

Blind Side Waterproofing over Soil
Retention System (other), Dual System
(Below Water Table)



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502 Min Thickness Table.
3. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions.

Installation Below Water Table / Hydrostatic Conditions

1. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie tape.
2. Contact AVM for appropriate water stop system to be used.
3. Below the water table, drain board may be substituted with approved protection layer.

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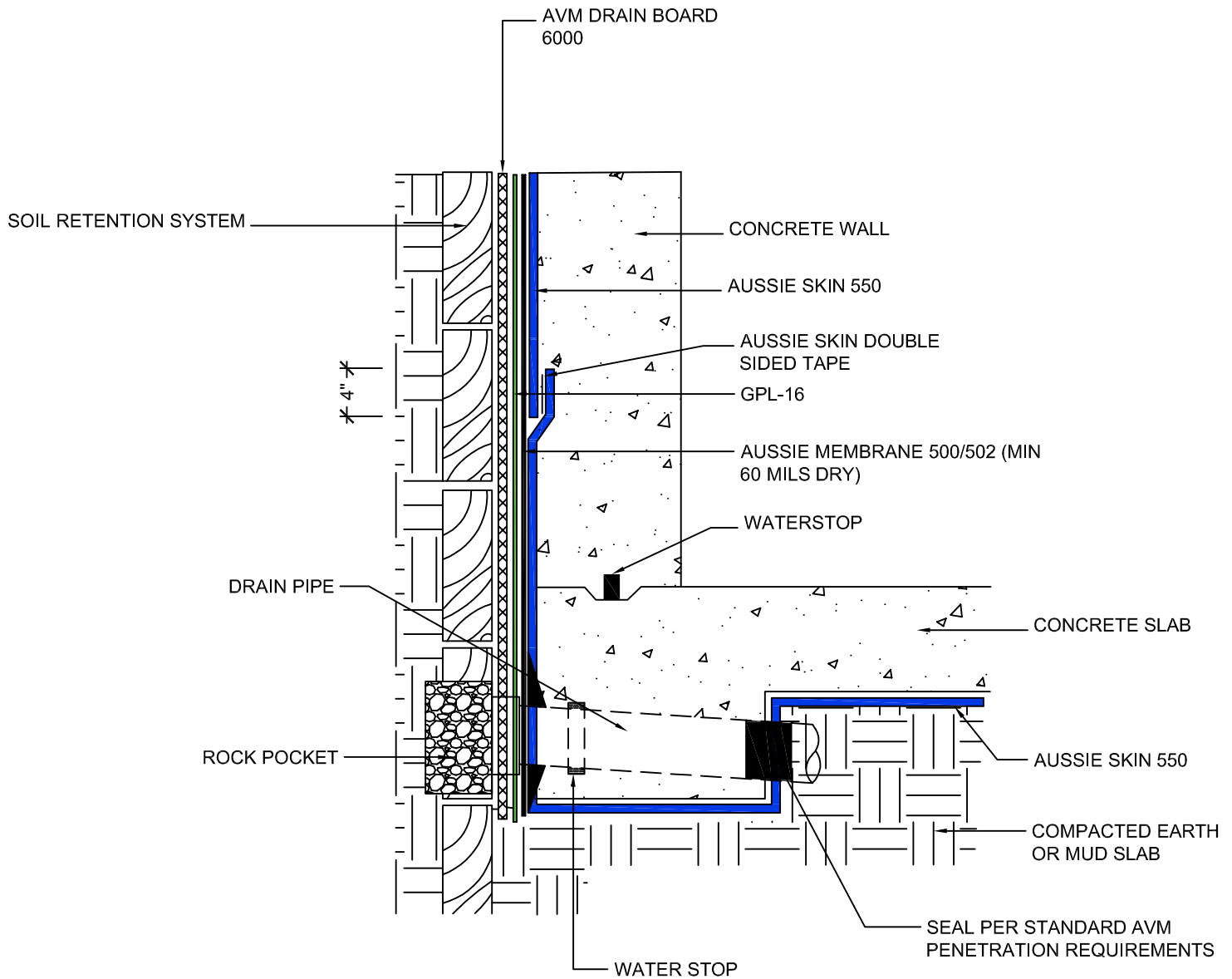
DETAIL #:

AVM-550-1525

AVM System 550

Aussie Skin 550

Blind Side Waterproofing over Lagging, Rock Pocket Detail



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502 Min Thickness Table.
3. Contact AVM if no drain board or protection board is specified.

Below Water Table Installations

1. For Aussie Skin Installations below the water table contact AVM to verify ALL details!
2. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie tape.
3. Contact AVM for appropriate water stop system to be used.
4. Reinforce the Aussie Membrane with AVM Mat 800 at all joints, transitions, penetrations, etc.

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FILE NAME: 0550-1525

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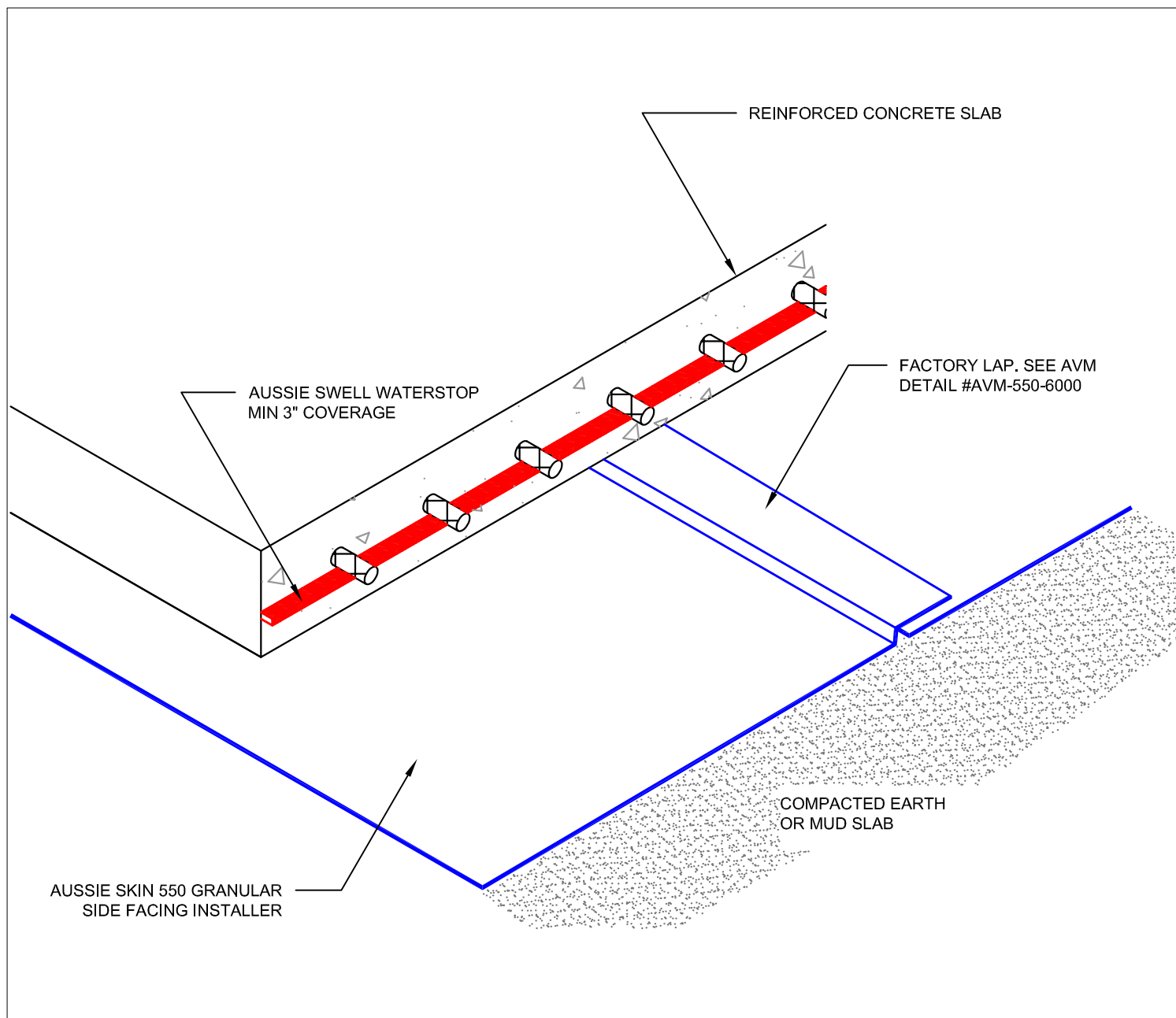
DETAIL #:

AVM-550-1500

AVM System 550

Aussie Skin 550

Under Slab Assembly

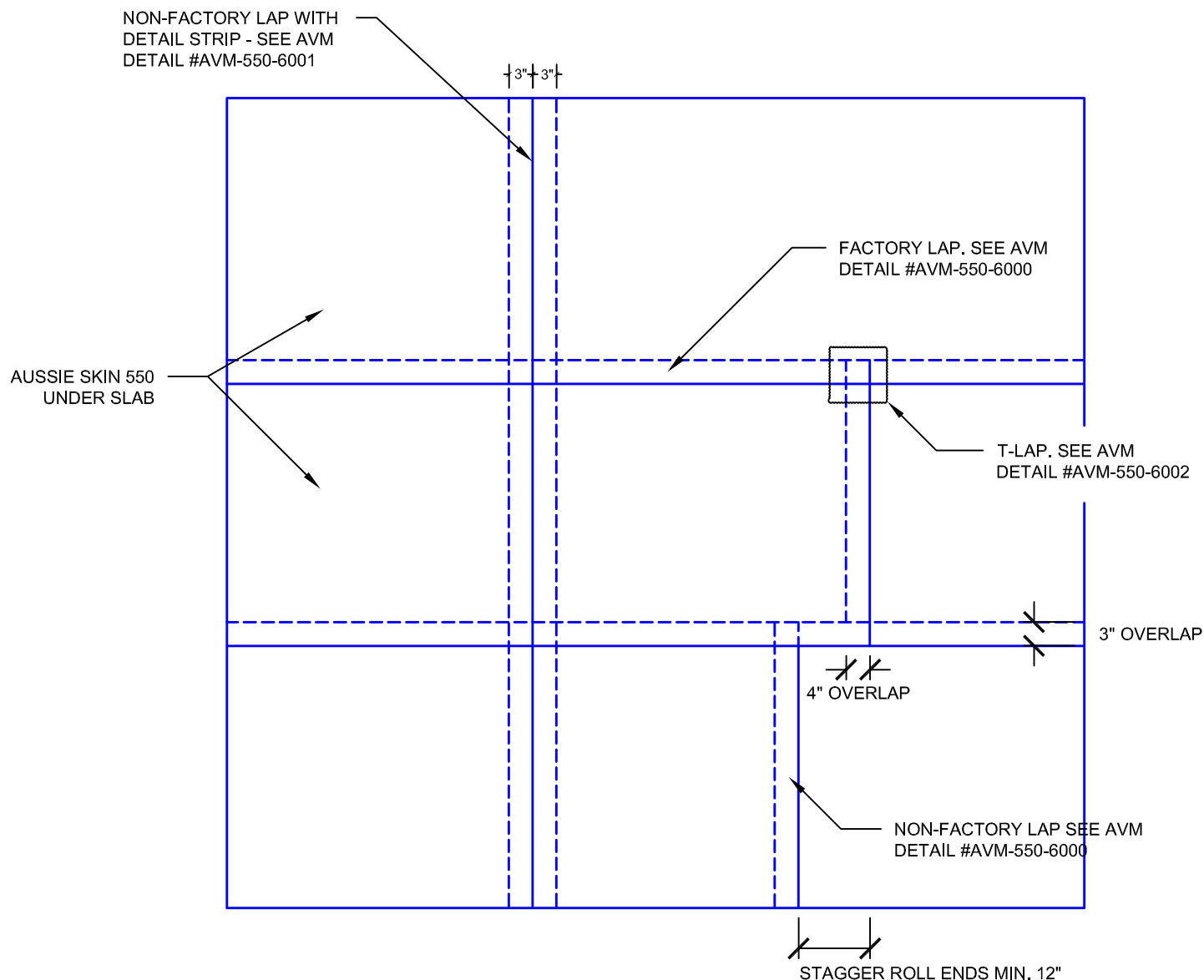


Notes:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. All surfaces must be clean and sound before installing the lap joints. (Remove excess sand before applying double sided tape)

DETAIL #:
0550-1501
AVM System 550
Aussie Skin 550

Standard Overlap Spacing



Notes:

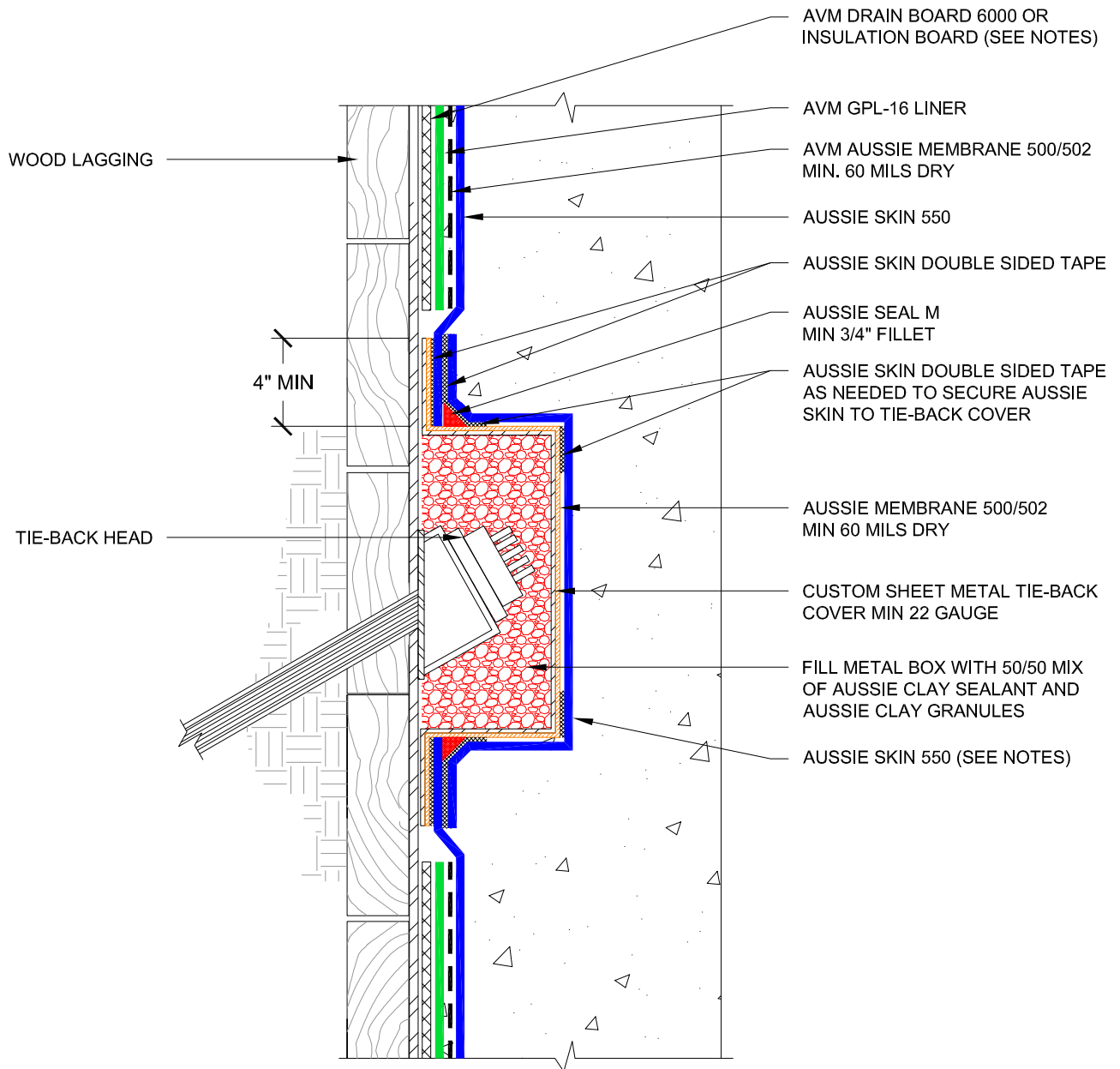
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. All surfaces must be clean and sound before installing the lap joints. (Remove excess sand before applying double sided tape)

DETAIL #:
AVM-550-1530B

Aussie Skin 550

Dual System Patent Pending

Metal Tie-Back Cover Dual Layer System



Notes:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Contact AVM if no drain board or protection board is specified.
3. Relief cuts may be needed to form Aussie Skin around tie-back cover. All relief cuts should be covered with Sanded Tape.
4. All nails, screws etc used to hang the Aussie Skin above the water table must be non-rusting and sealed with AVM approved Sealant.
5. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions

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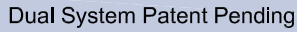
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FILE NAME: 0550-1530B

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AVM-550-1531B

Detensioned Tie-Back Box-out Dual System (Hydrostatic)



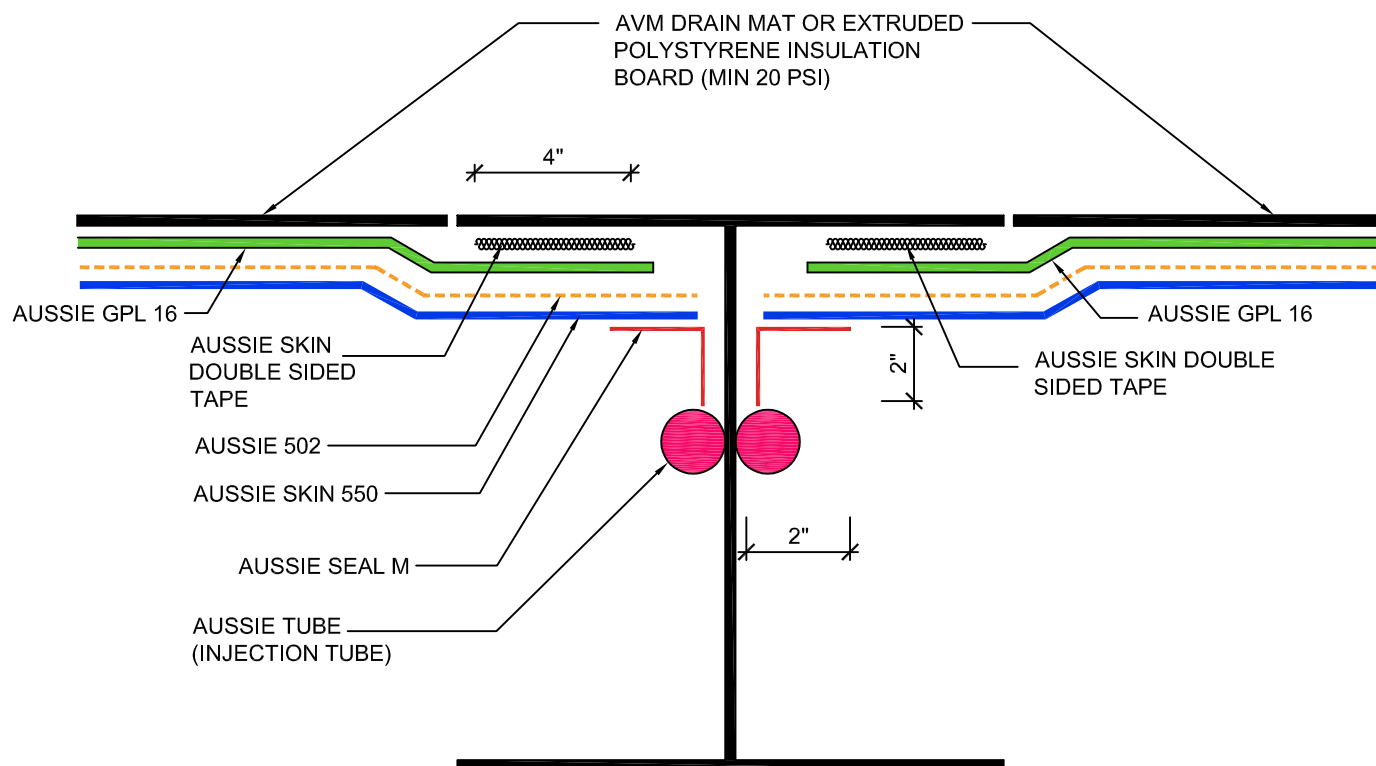
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Contact AVM if no drain board or protection board is specified.
3. All nails, screws etc used to hang the Aussie Skin above the water table must be non-rusting and sealed with AVM approved Sealant.

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Aussie Skin 550



1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Contact AVM if no drain board or protection board is specified.
3. All nails, screws etc used to hang the Aussie Skin above the water table must be non/rusting and sealed with Aussie Seal M.

1. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie double sided tape 550.
2. Contact AVM for appropriate water stop system to be used.
3. Below the water table, drain board may be substituted with approved protection layer

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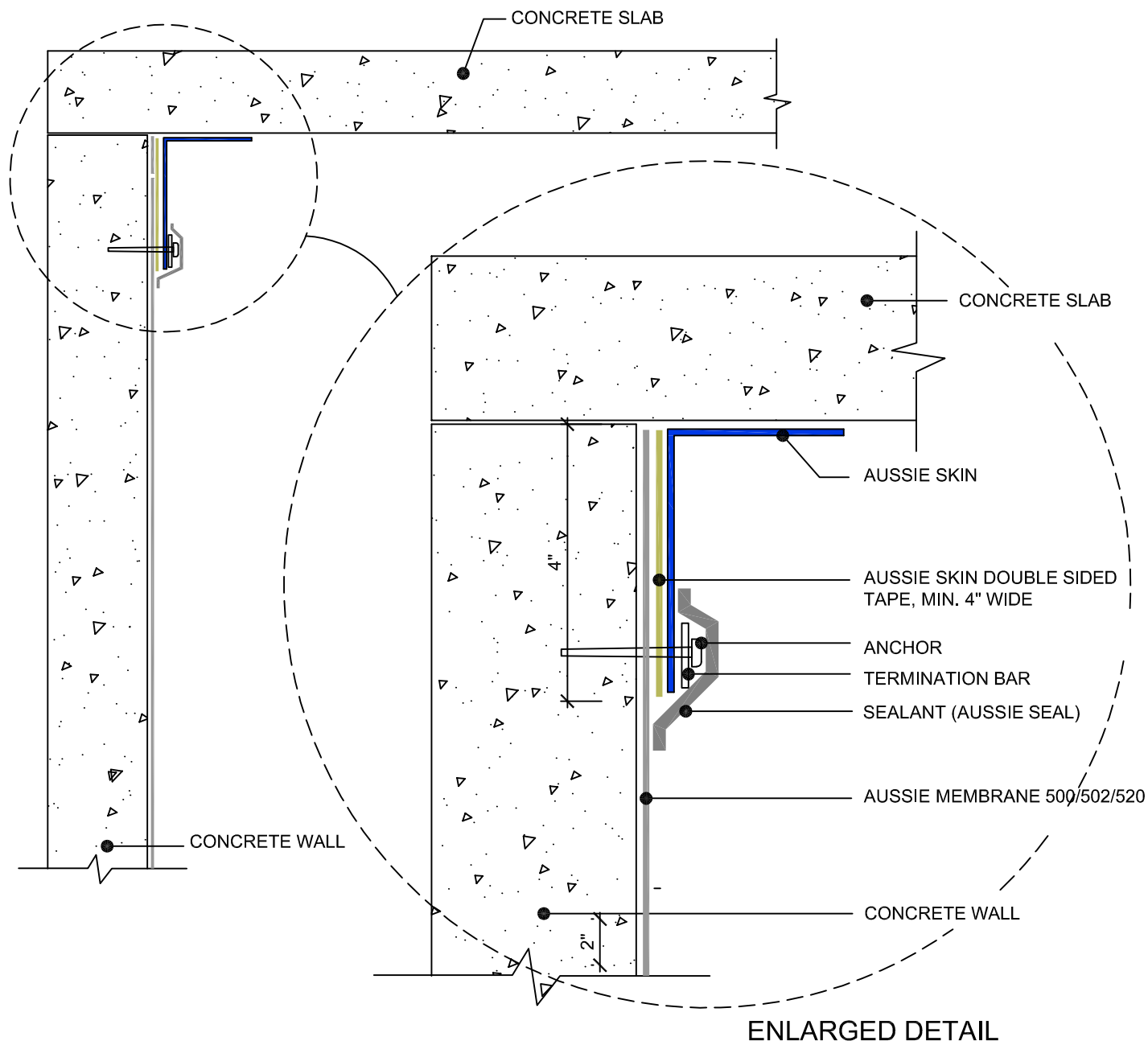
DETAIL #:

AVM-550-0014

AVM System 550

Aussie Skin 550

Aussie Skin Installation over Aussie Membrane 500/502/520.



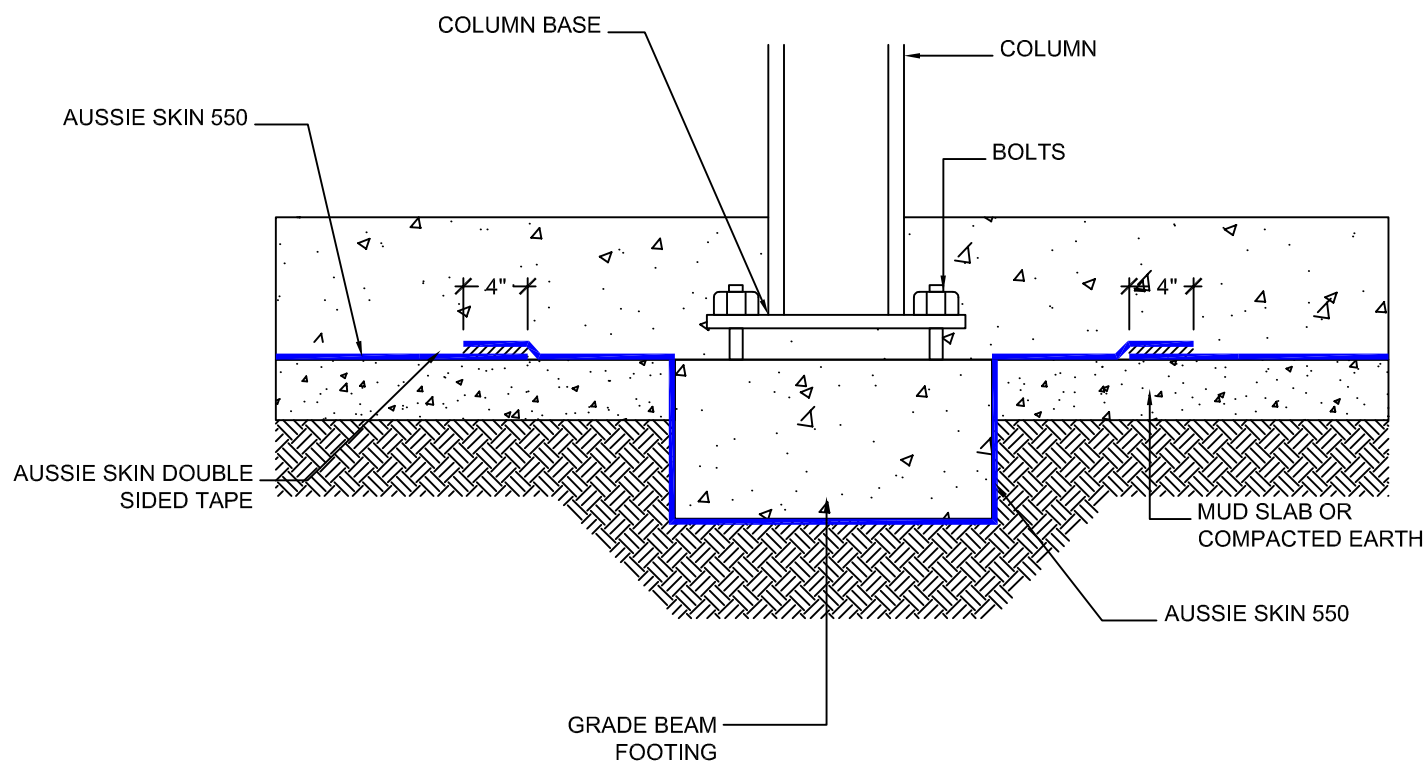
NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502/520 Min Thickness Table.
3. Contact AVM if no drain board or protection board is specified.
4. Below the water table, drain board may be substituted with approved protection layer.

DETAIL #:
AVM-550-2500

AVM System 550
Aussie Skin 550

Aussie Skin Under Grade-Beam - Hydrostatic

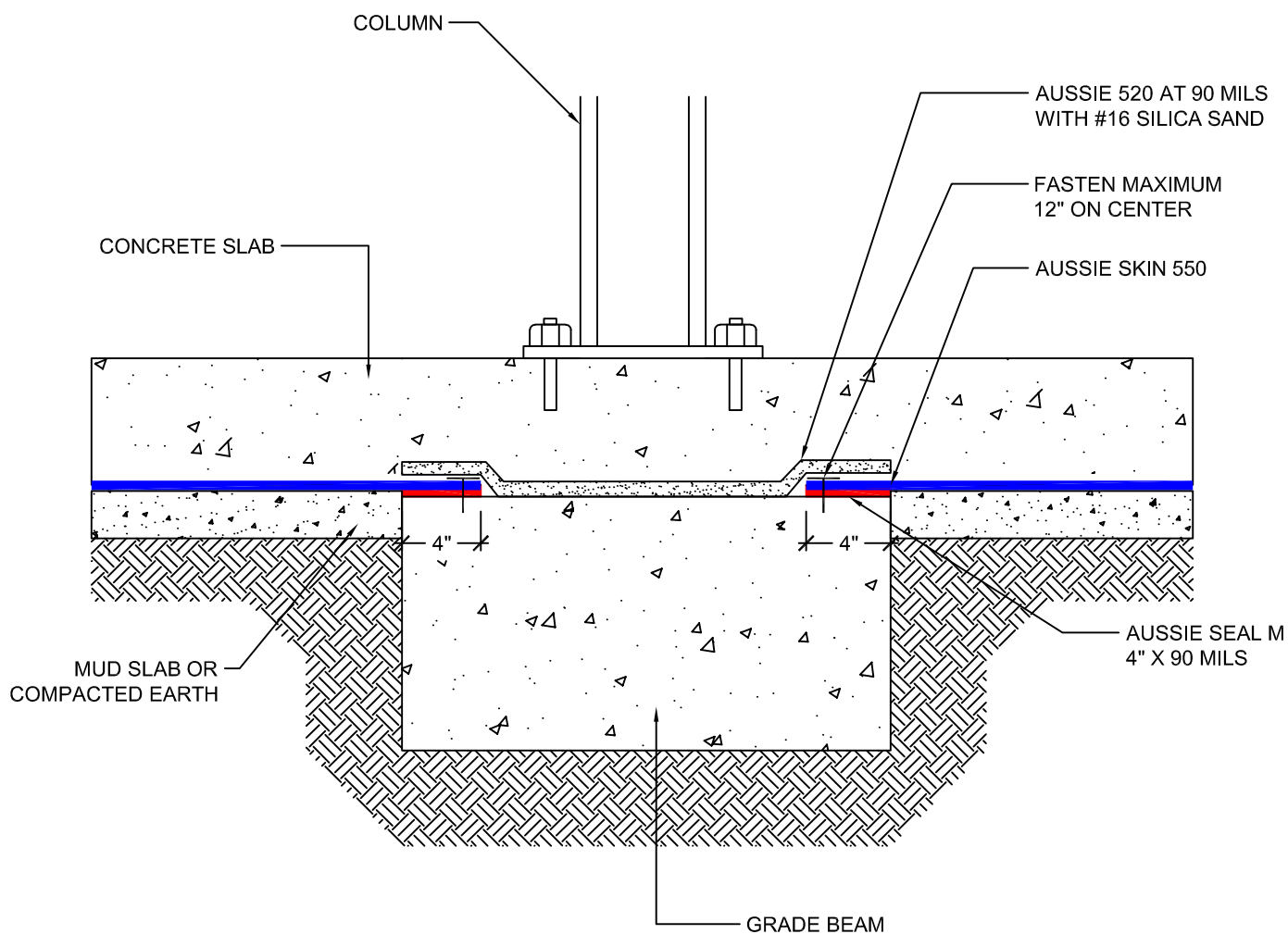


NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.

DETAIL #:
AVM-550-2540
AVM System 550
Aussie Skin 550

Aussie Skin Over Grade-Beam - Hydrostatic

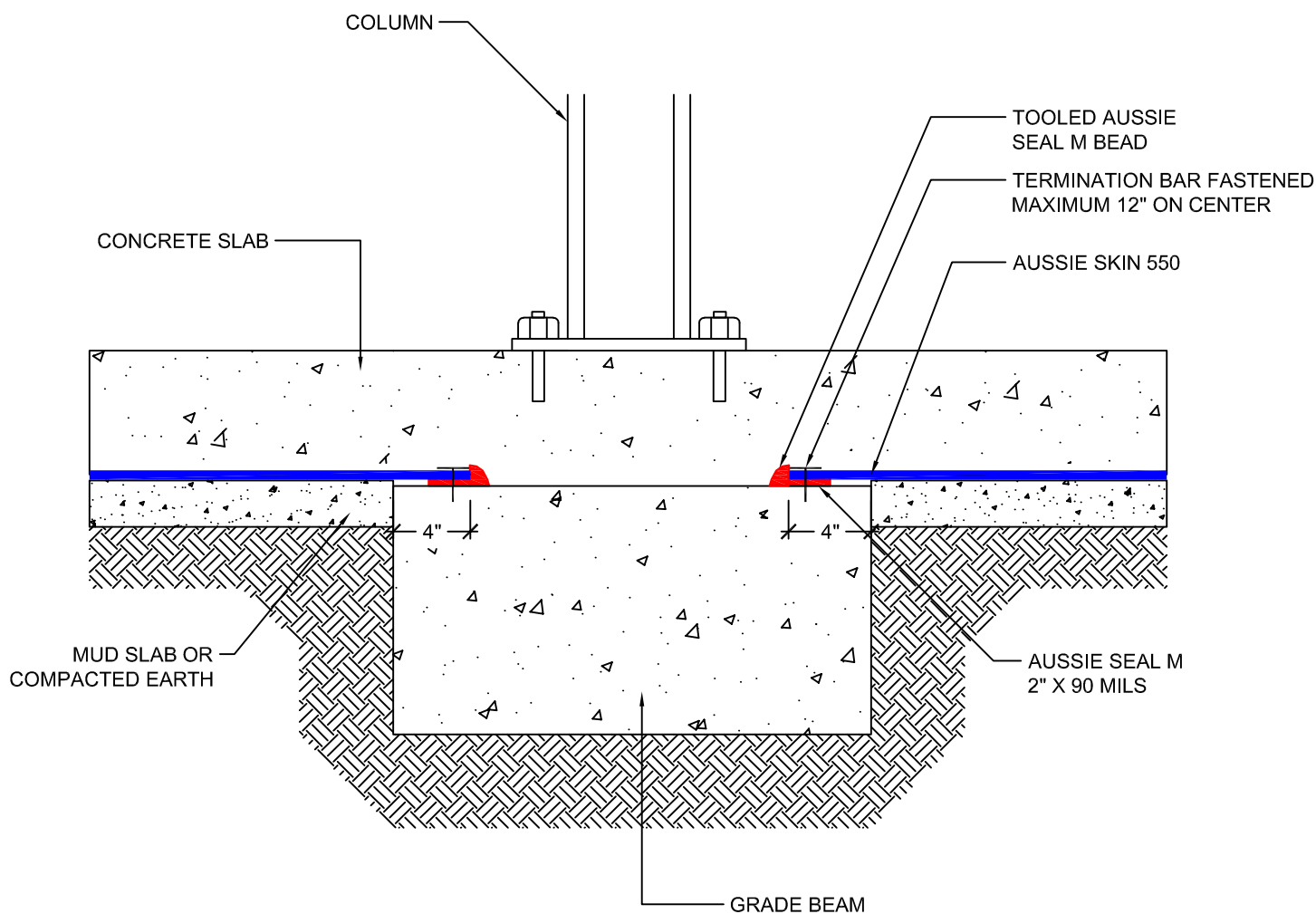


NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Concrete must cure min 7 days.
3. Aussie Membrane 520 must cure 24 hours prior to concrete placement.

DETAIL #:
AVM-550-2550
AVM System 550
Aussie Skin 550

Aussie Skin Over Grade-Beam Non-Hydrostatic



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Concrete must cure min 7 days.

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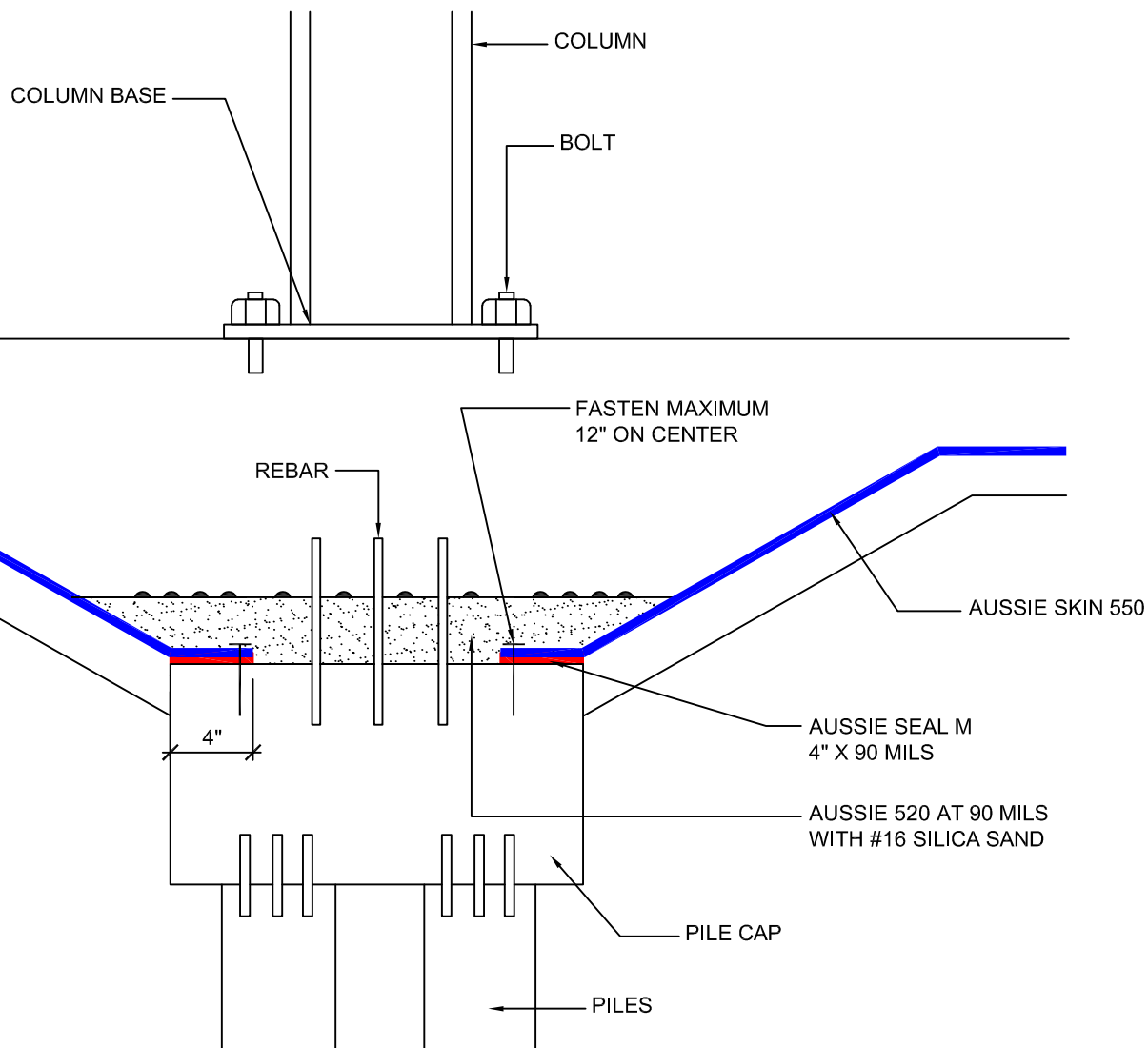
DETAIL #:

AVM-550-2610

AVM System 550

Aussie Skin 550

Pile Cap Detail - Hydrostatic



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Concrete Surface must be free of dirt, debris, release agents and anything else that might inhibit bonding.
3. Concrete surface must be structurally sound, uniform and finished with a light broom finish.
4. Aussie Membrane 520 must cure 24 hours prior to concrete placement.

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FILE NAME: 0550-2610

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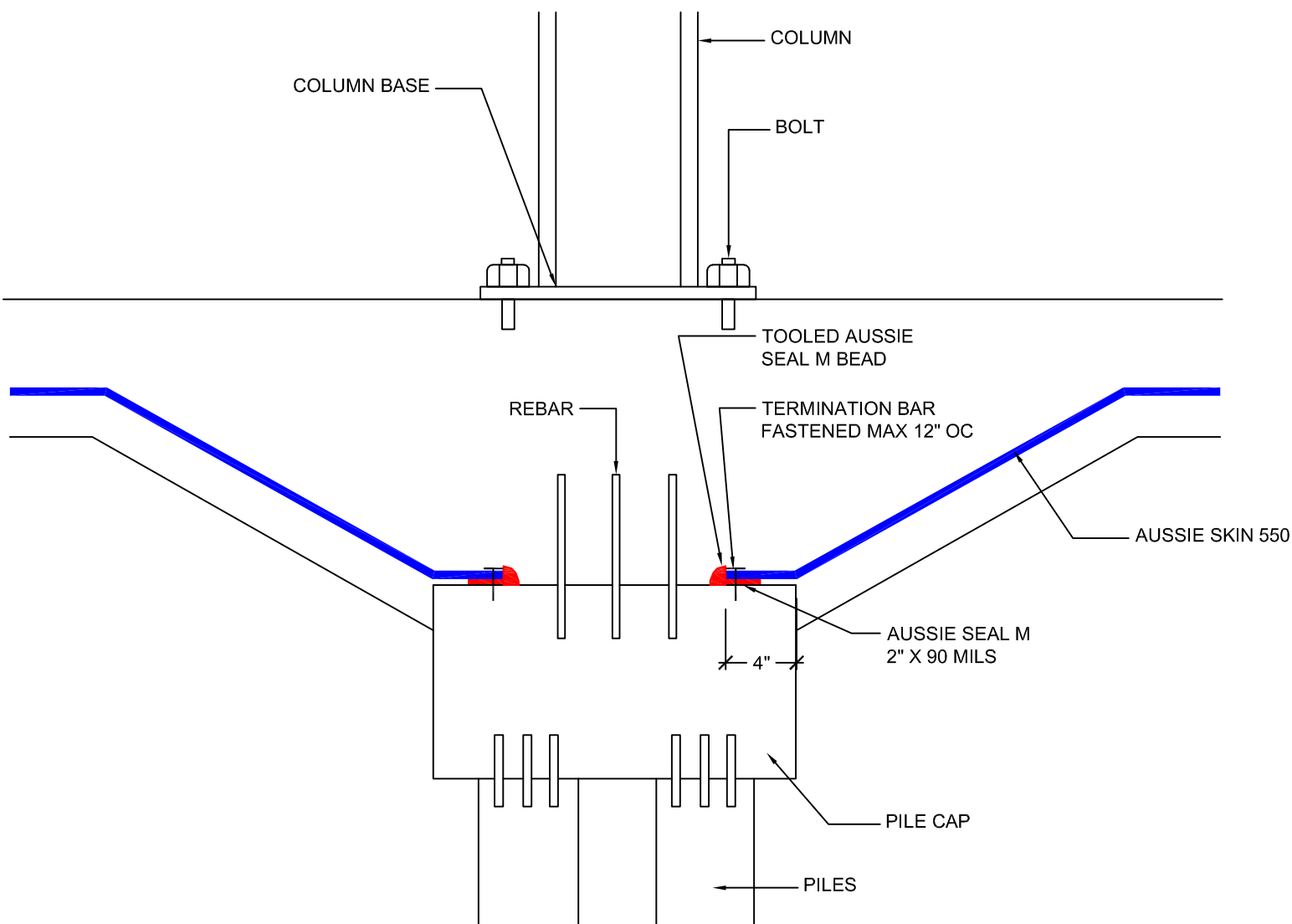
DETAIL #:

AVM-550-2630

AVM System 550

Aussie Skin 550

Pile Cap Detail - Non-Hydrostatic



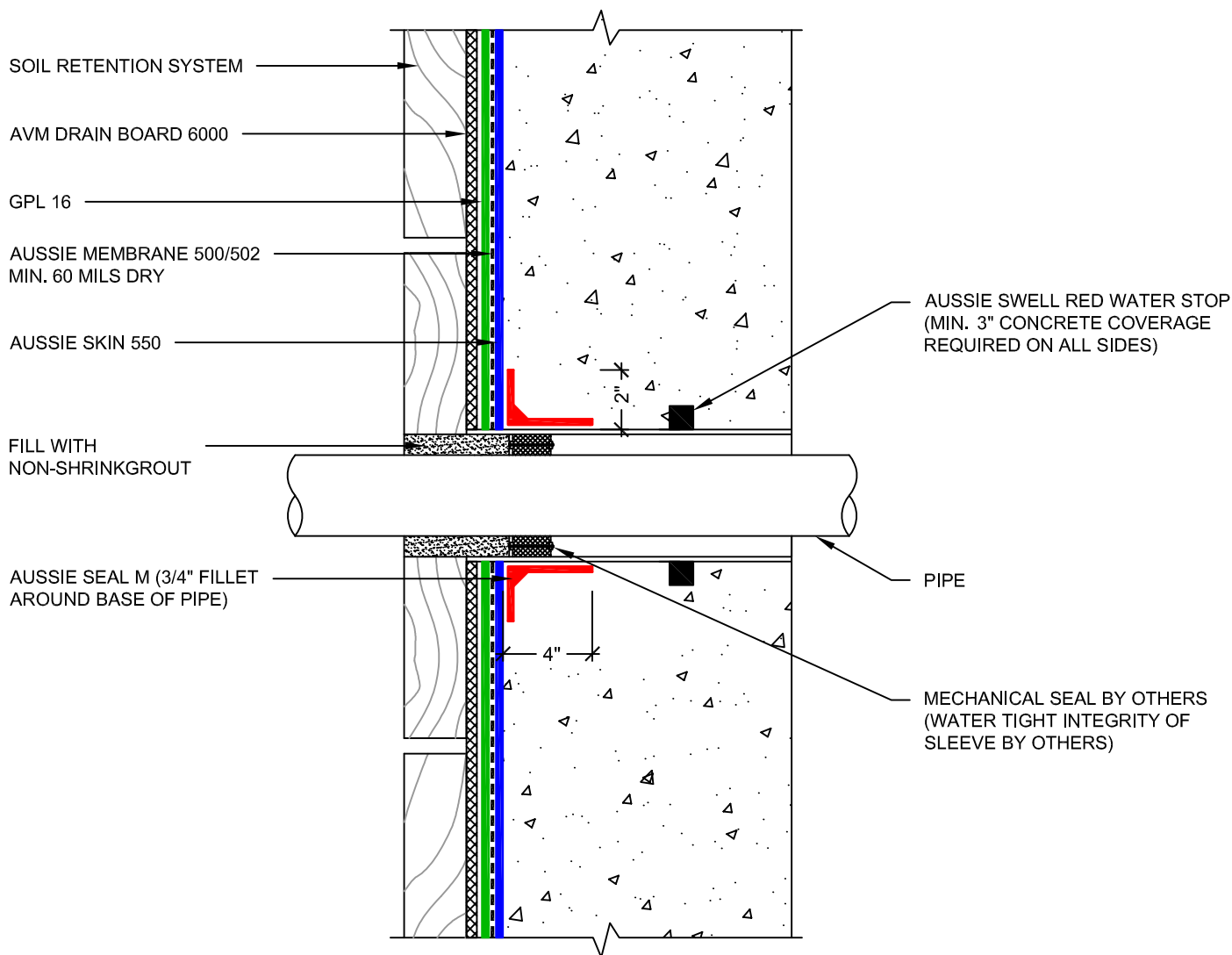
NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Concrete Surface must be free of dirt, debris, release agents and anything else that might inhibit bonding.
3. Concrete surface must be structurally sound, uniform and finished with a light broom finish.
4. All fasteners must be covered with Aussie Seal M.

DETAIL #:
AVM-550-4005B

AVM System 550
Aussie Skin 550

Sleeved Pipe Penetration Dual System



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502 Min Thickness Table.
3. PVC or metal pipe must be clean and free of foreign matter that would prevent Aussie Seal M adhesion.
4. Contact AVM if no drain board or protection board is specified.
5. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions.
6. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie Skin double sided tape.

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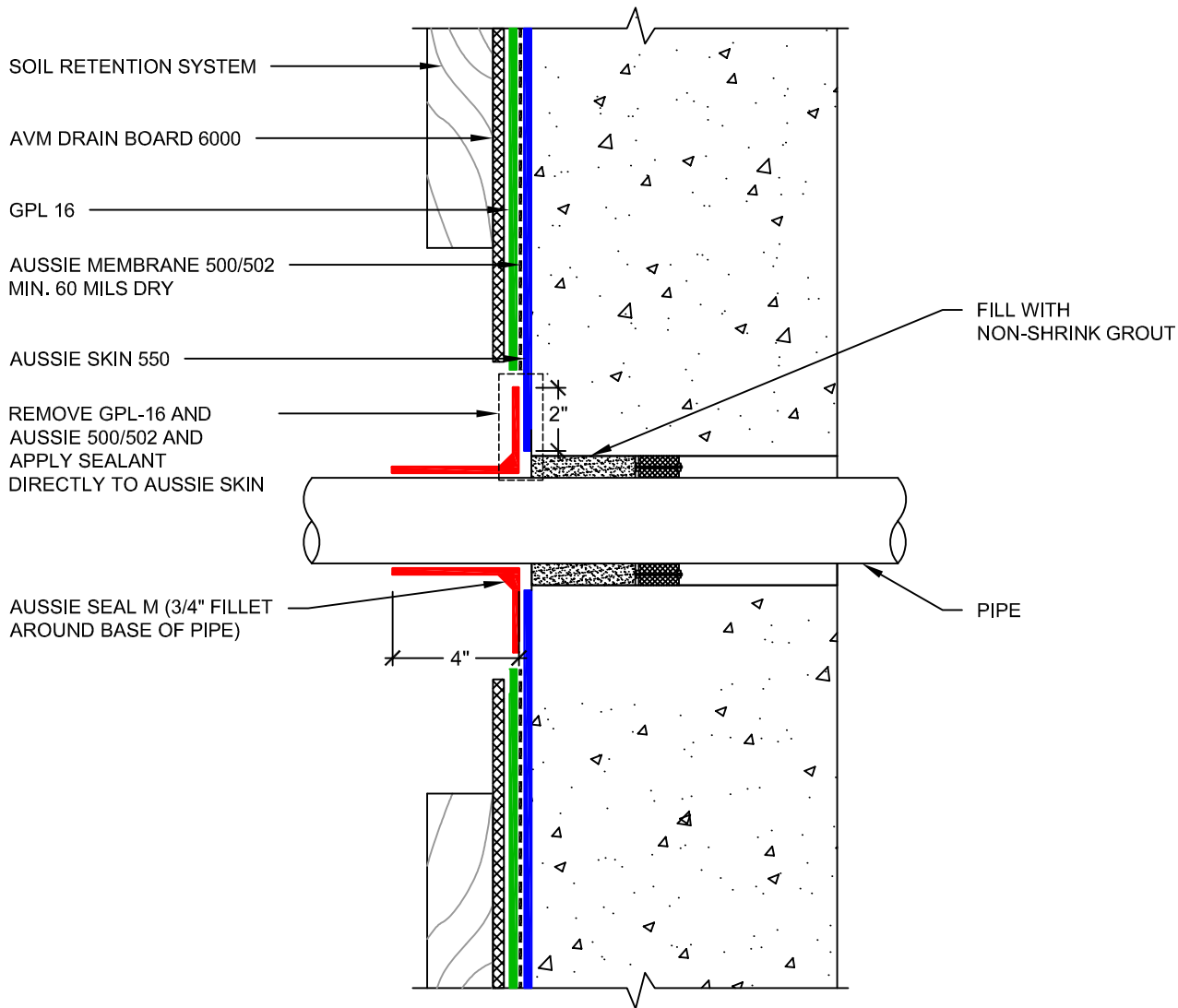
FILE NAME: 0550-4005B

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DETAIL #:
AVM-550-4010B

AVM System 550
Aussie Skin 550

Pipe Penetration Sealant on HDPE Side Dual System



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. For proper membrane thickness and appropriate protection and drainage, refer to AVM System 500/502 Min Thickness Table.
3. PVC or metal pipe must be clean and free of foreign matter that would prevent Aussie Seal M adhesion.
4. Contact AVM if no drain board or protection board is specified.
5. Drain board must be connected to a permanent dewatering system if used in hydrostatic conditions
6. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie Skin double sided tape.

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FILE NAME: 0550-4010B

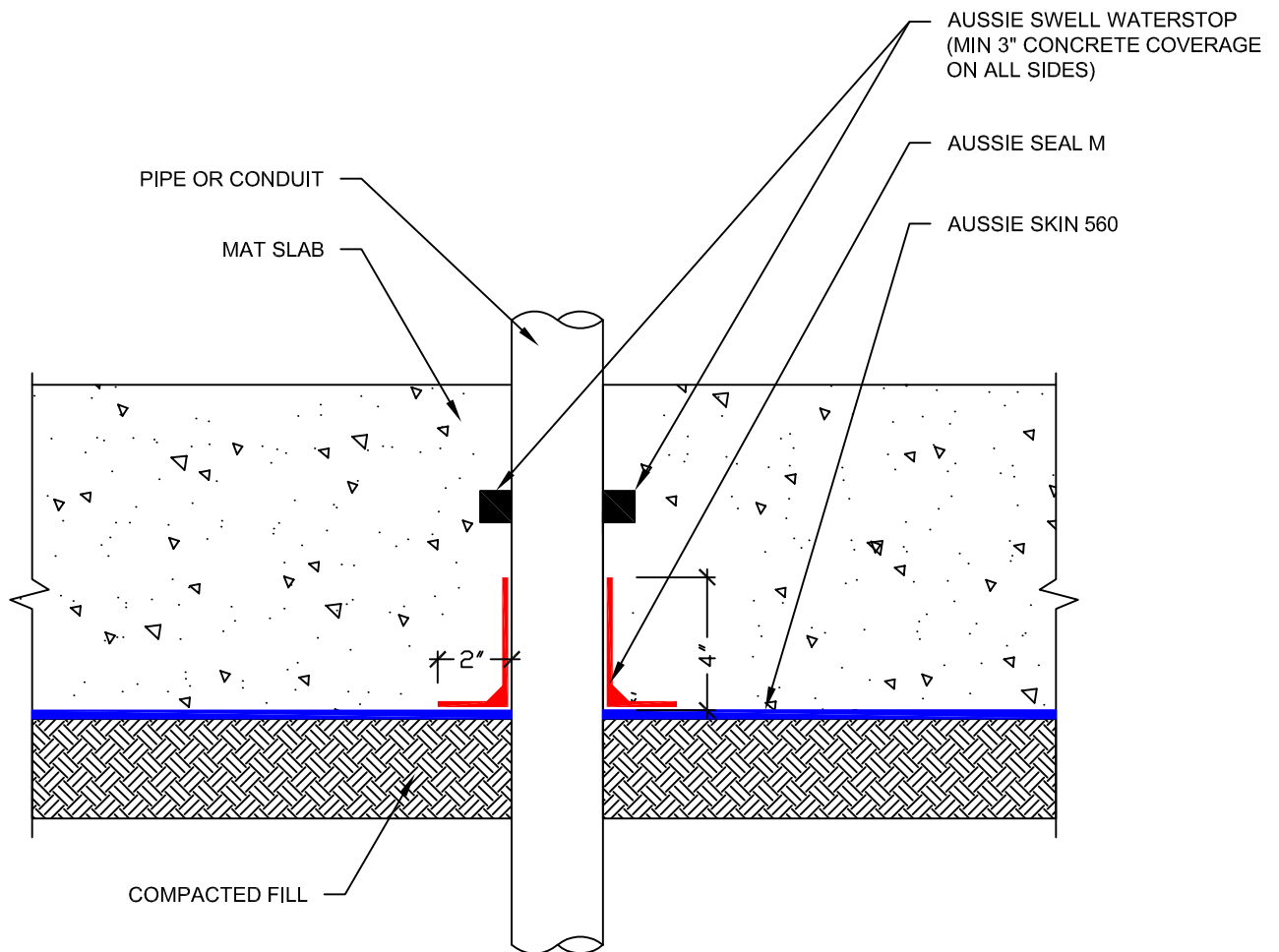
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DETAIL #:

AVM-550-4015

AVM System 550

Slab Penetration



NOTES:

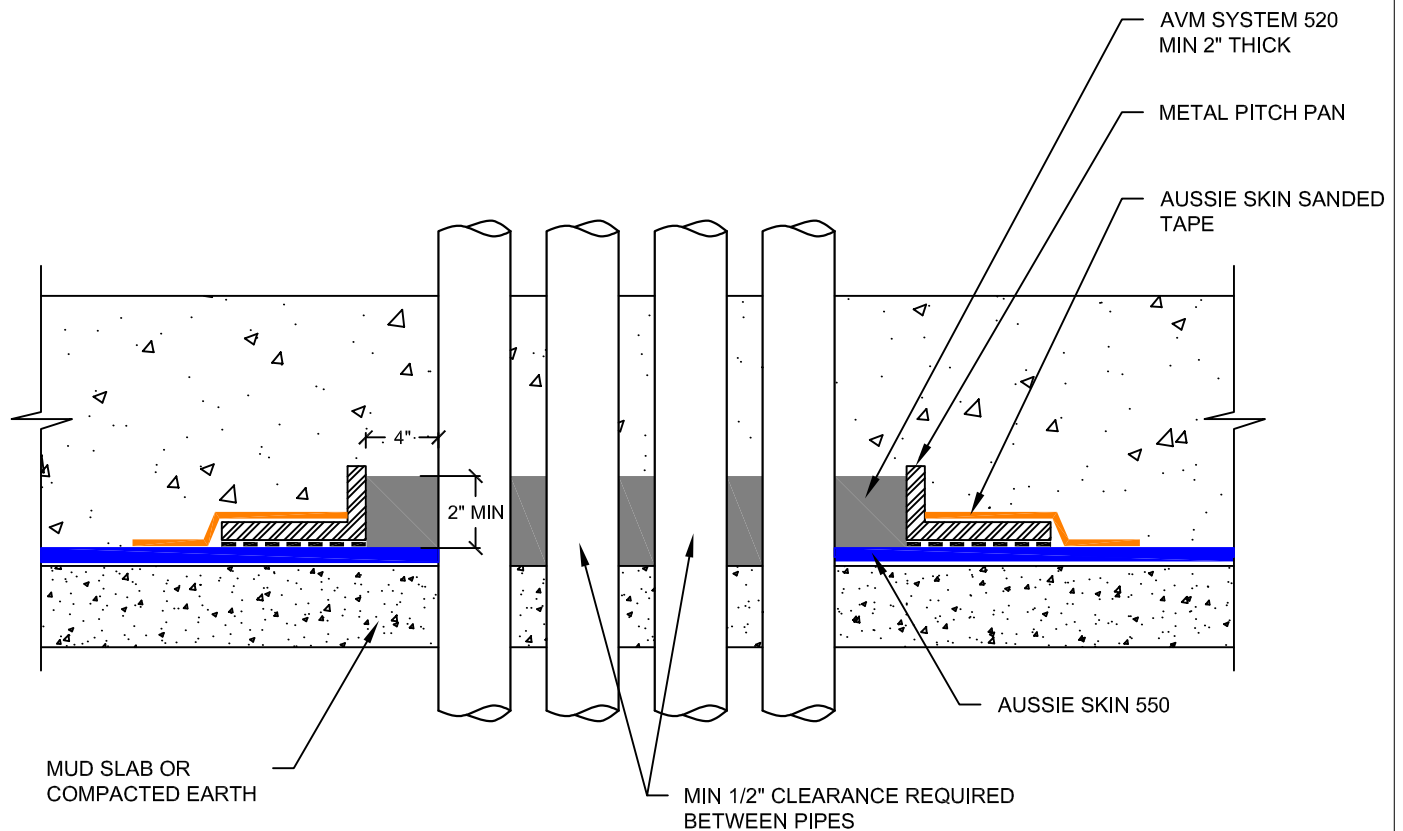
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. PVC or metal pipe must be clean and free of foreign matter that would prevent Aussie Seal M adhesion.
3. Contact AVM if no drain board or protection board is specified.

DETAIL #:

AVM-550-4020

AVM System 550

Pipe Bank Pitch Pan



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. Aussie Membrane 520 should be cured prior to concrete placement which may take up to 72 hours. Please consult AVM if scheduling does not allow this.

Below Water Table Installations

101 For Aussie Skin installations below the water table, contact AVM to verify ALL details

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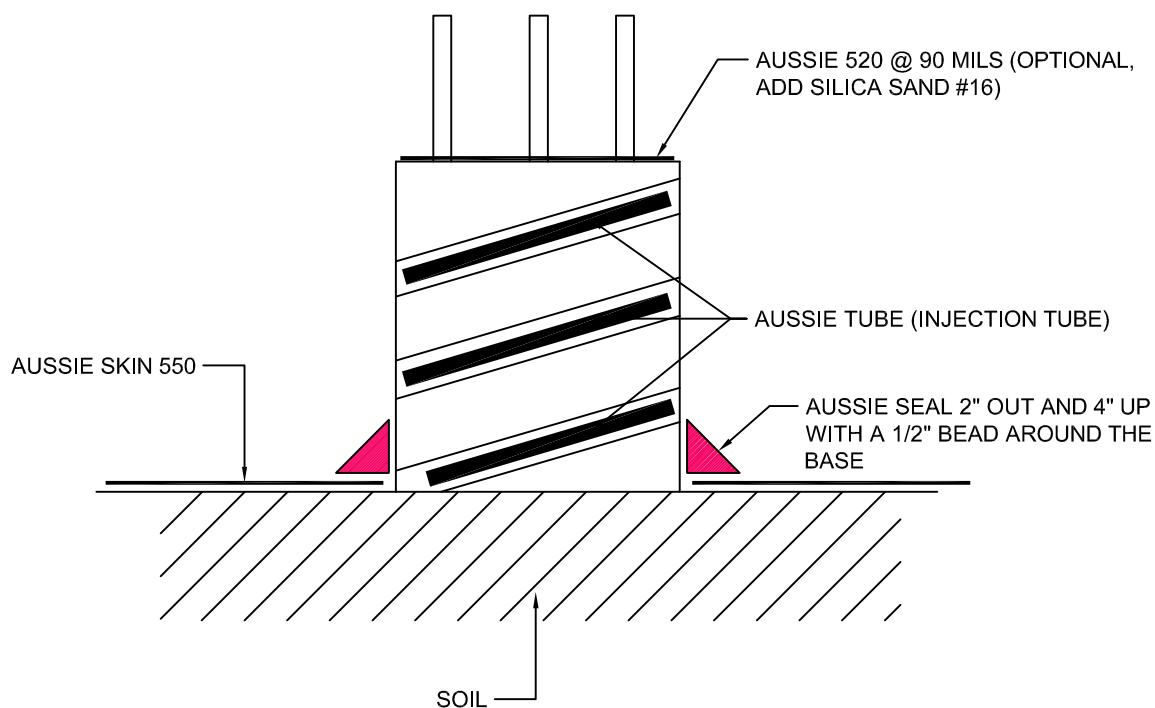
FILE NAME: 0550-4020

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DETAIL #:
AVM-550-5201

AVM System 550
Aussie Skin 550

Corrugated Pile Detail



NOTES:

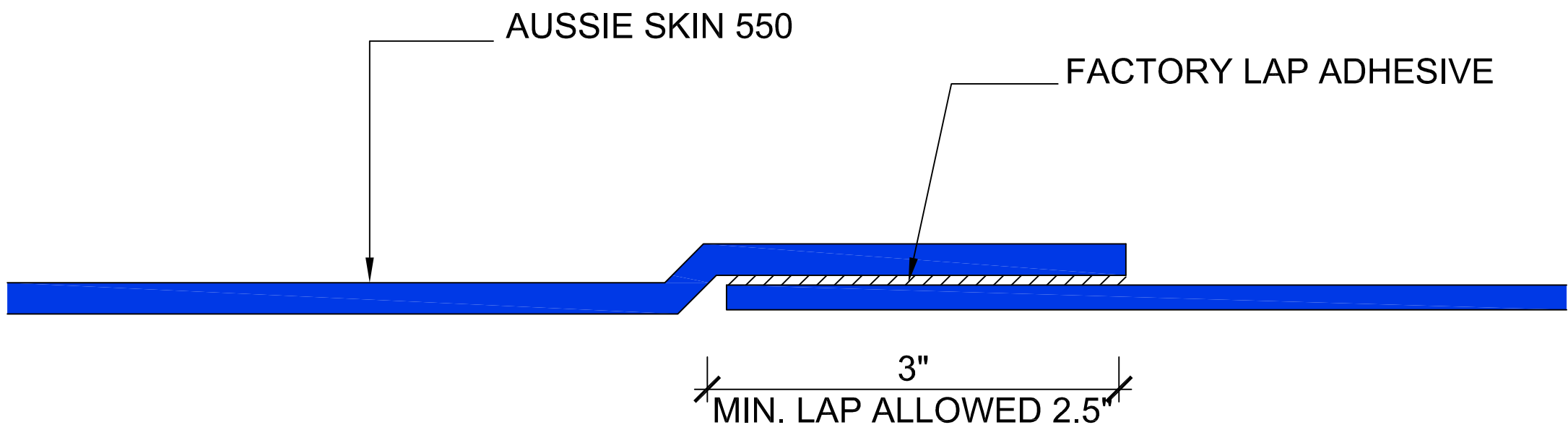
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. All nails, screws etc used to hang the Aussie Skin above the water table must be non-rusting and sealed with approved Sealant.

Below Water Table Installations

1. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie Skin Double Sided Tape.



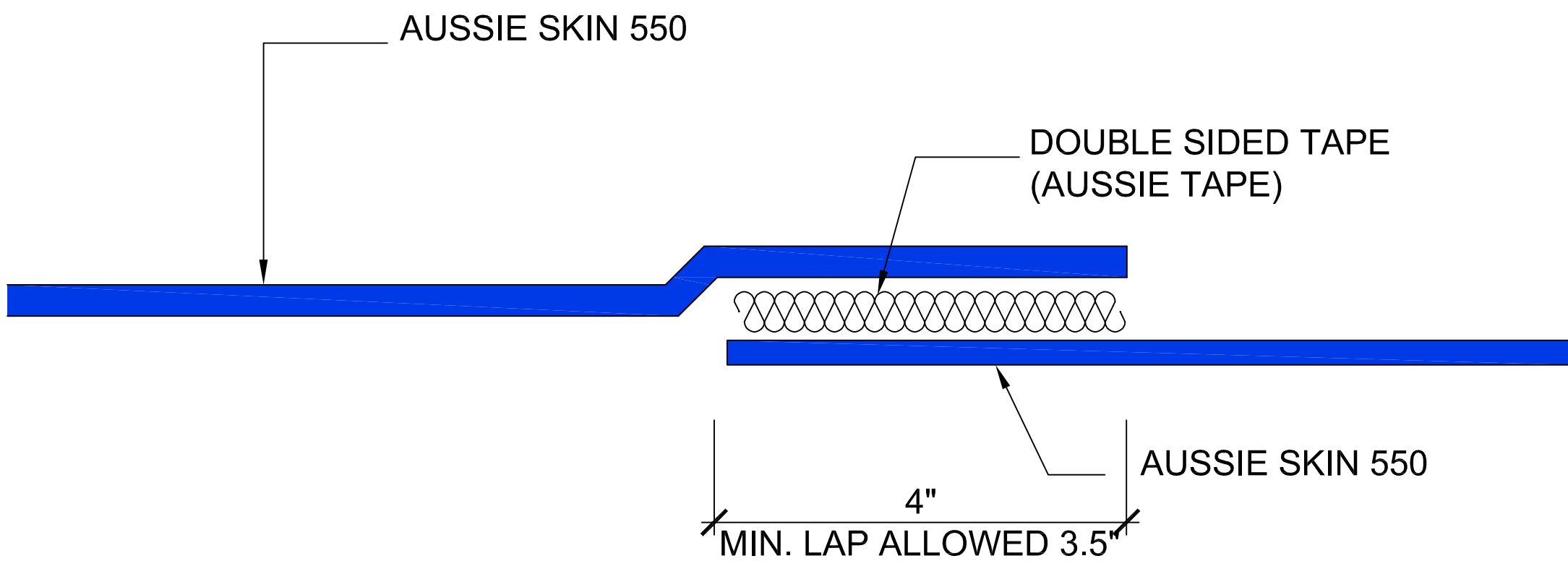
FACTORY LAP



Important Note: When installing the "Factory Lap", The Installation procedure should be as follows:

- 1) Remove the black plastic film from the factory lap to expose the adhesive.
- 2) Lay down the 2nd layer of Skin over the exposed Adhesive. (leave 1/8"-1/4" of adhesive exposed) Roll the steel roller over the 2nd layer of skin several times while applying significant pressure.
- 3) Verify seam is completely and properly bonded.

NON-FACTORY LAP



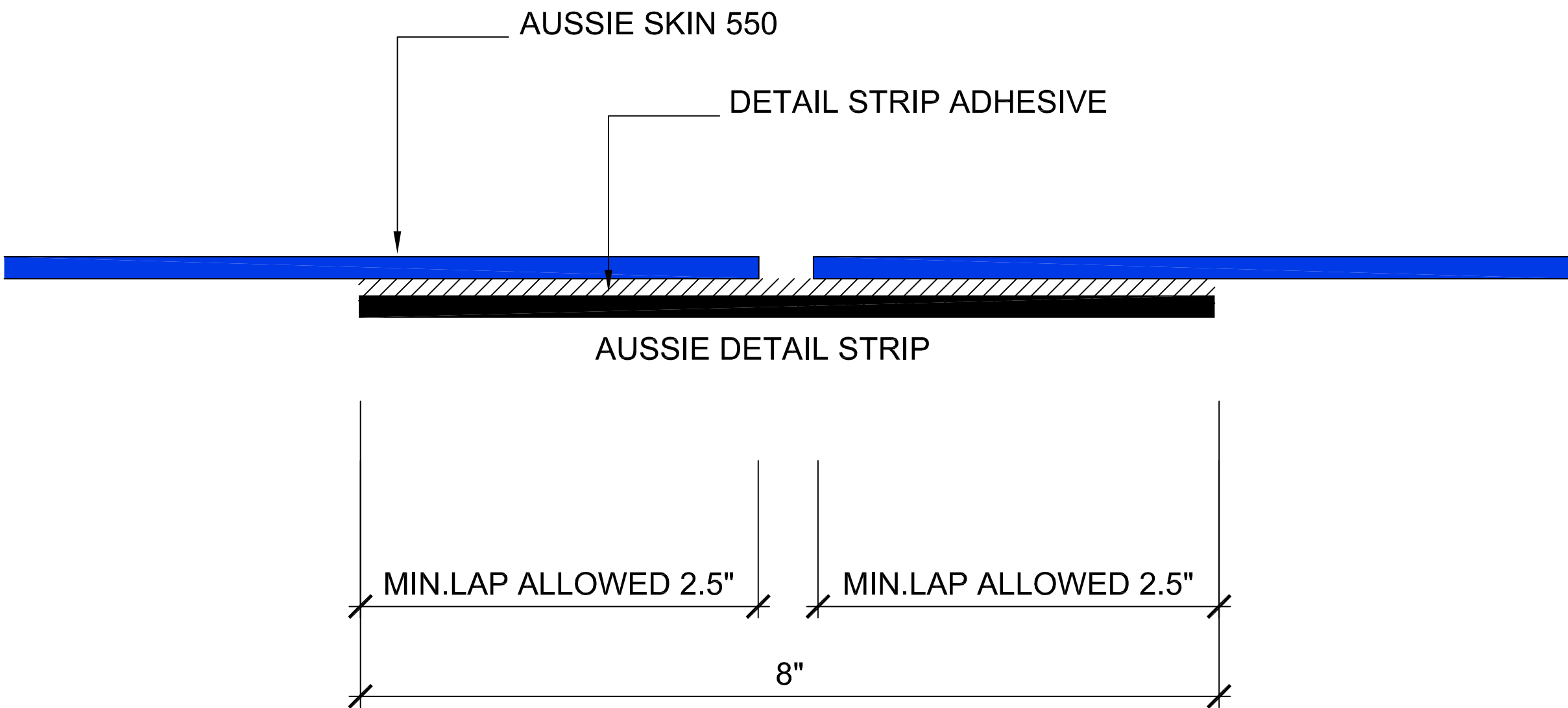
Important Note: When installing the "Non-Factory Lap", The Installation procedure should be as follows:

- 1) Remove the black plastic film from one side of the double-sided tape.
- 2) Lay down the Double-Sided Tape on the sanded side of the first layer of Aussie Skin.
- 3) THOROUGHLY COMPRESS THE DOUBLE-SIDED TAPE ONTO THE SANDED SIDE OF THE AUSSIE SKIN USING AVM'S APPROVED STEEL ROLLERS. (ROLL THE STEEL ROLLER OVER THE TAPE SEVERAL TIMES WHILE APPLYING SIGNIFICANT PRESSURE!)
- 4) Carefully remove the clear film (2nd layer of film) from the Double-Sided Tape.
- 5) Lay down the 2nd layer of Skin over the exposed double-Sided Tape. (Leave 1/8"-1/4" of tape exposed) Roll the steel roller over the 2nd layer of skin several times while applying significant pressure.
- 6) Verify seam is completely and properly bonded.
- 7) If multiple pieces of Double-Sided Tape are needed, overlap them!

- NOTES:
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
 2. All surfaces must be clean and sound before installing the Lap Joints
 3. Double sided tape must be used as supplied (min. 4" wide)

Below Water Table Installations

Below the water table, drain board may be substituted with approved protection layer



Important Note: When installing the "Alternative Non-Factory Lap", The Installation procedure should be as follows:

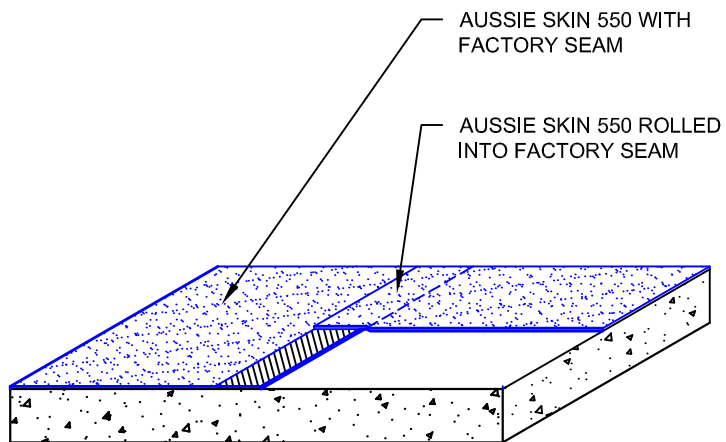
- 1) Remove the black plastic film from the Detail Strip to expose the Adhesive.
- 2) Lay down the first layer of Aussie Skin over the exposed Adhesive covering half the width of the detail strip. Roll the steel roller over the seam several times while applying significant pressure.
- 3) Lay down the 2nd layer of Aussie Skin over the remaining exposed adhesive. Leave 1/8"-1/4" of adhesive exposed between the two sheets of Aussie Skin. Roll the steel roller over the seam several times while applying significant pressure.
- 4) Verify seam is complete and properly bonded.

- NOTES:
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
 2. All surfaces must be clean and sound before installing the Lap Joints

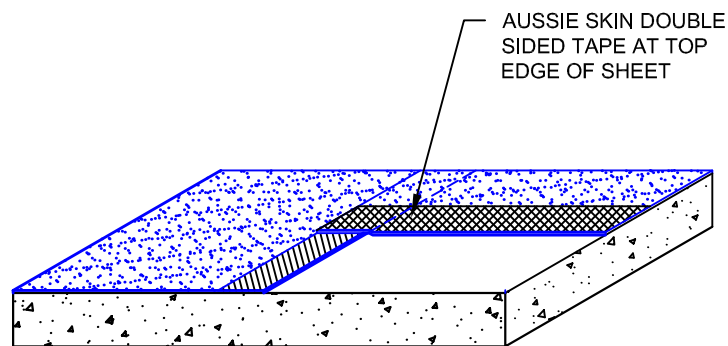
Below Water Table Installations
Below the water table, drain board may be substituted with approved protection layer

DETAIL #:
AVM-550-6002
AVM System 550
Aussie Skin 550

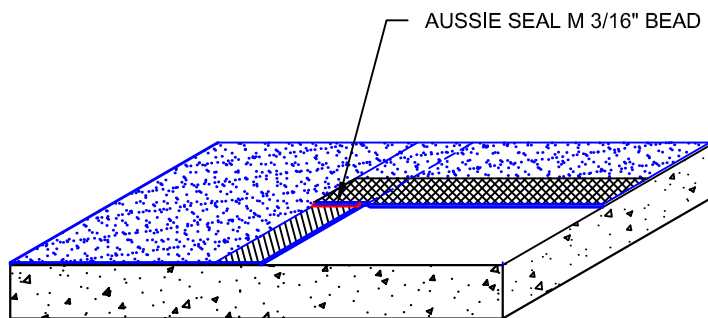
T-Lap Detail



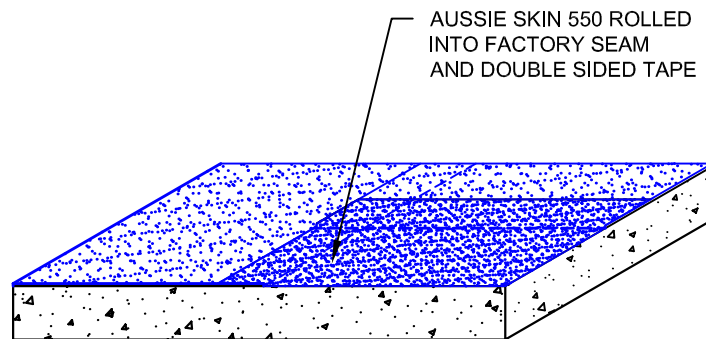
Step #1



Step #2



Step #3



Step #4

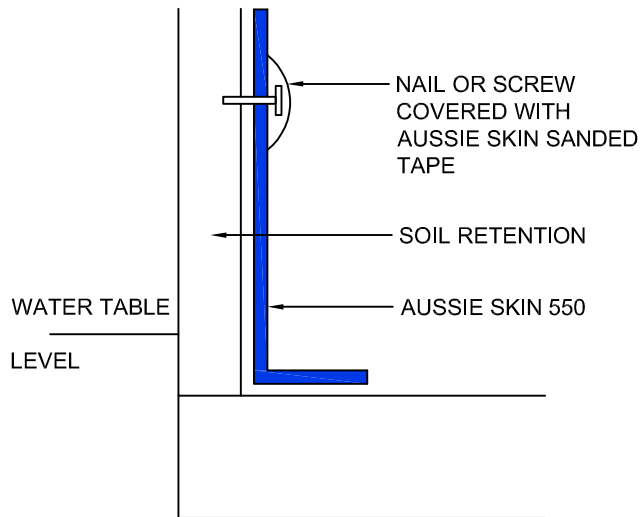
Notes:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.

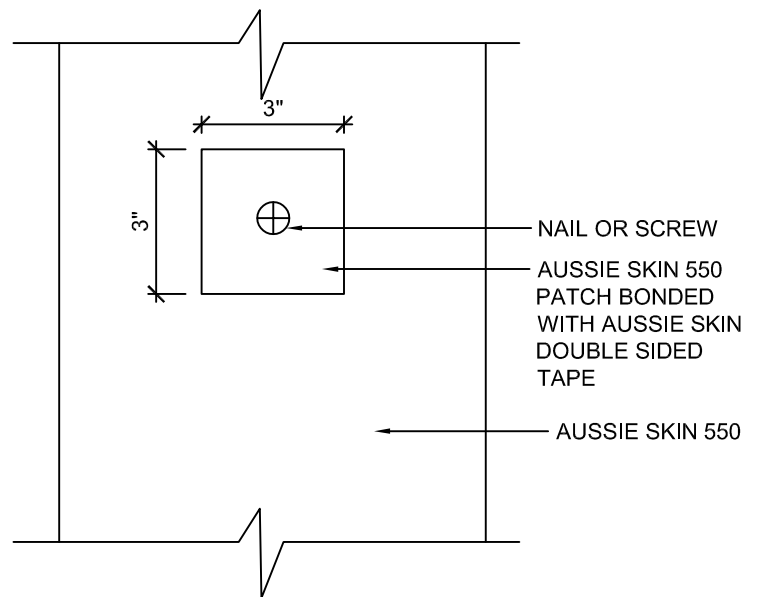
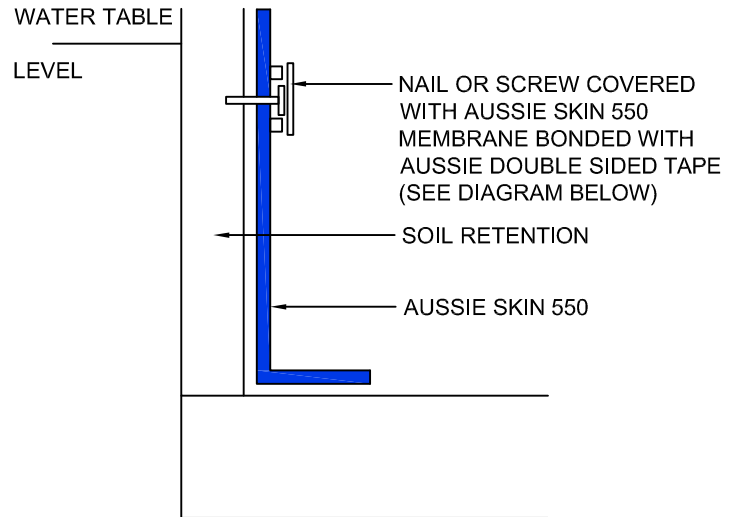
Below Water Table Installations

101 For Aussie Skin installations below the water table, contact AVM to verify ALL details

NON-WATERTABLE PATCH



WATERTABLE PATCH



NOTES:

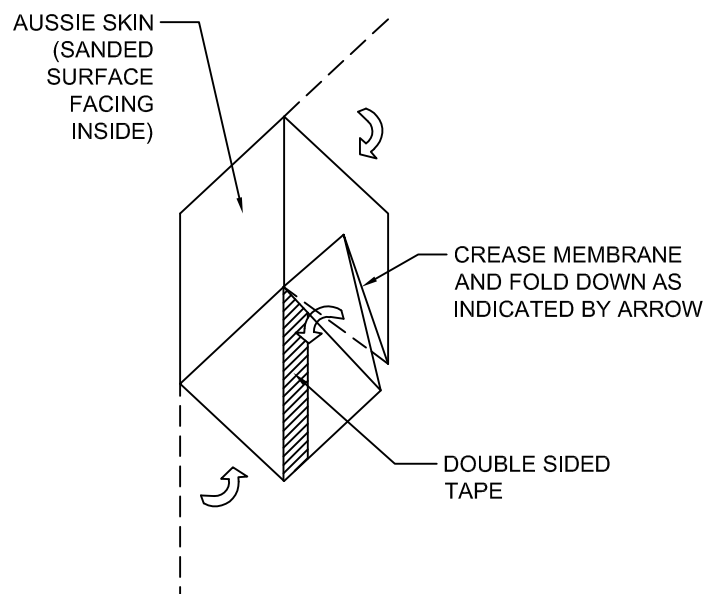
1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. All nails, screws etc used to hang the Aussie Skin above the water table must be non-rusting and sealed with approved Sealant.

Below Water Table Installations

1. All nails, screws etc used to hang the Aussie Skin below the water table must be non-rusting and sealed with a 3"x3" patch of Aussie Skin 550 bonded with Aussie tape.

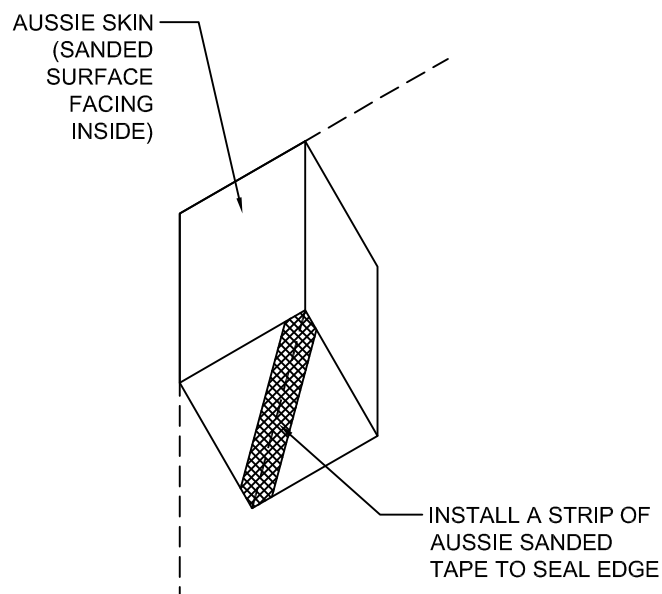
1

SANDED SURFACE FACING INSIDE



2

SANDED SURFACE FACING INSIDE



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. All surfaces must be clean and sound before installing the lap joints. (Remove excess sand before applying double sided tape).

DETAIL #:

AVM-550-6260

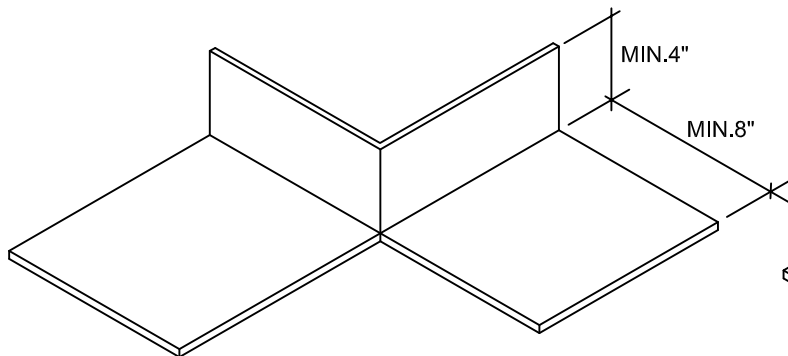
AVM System 550

Aussie Skin 550

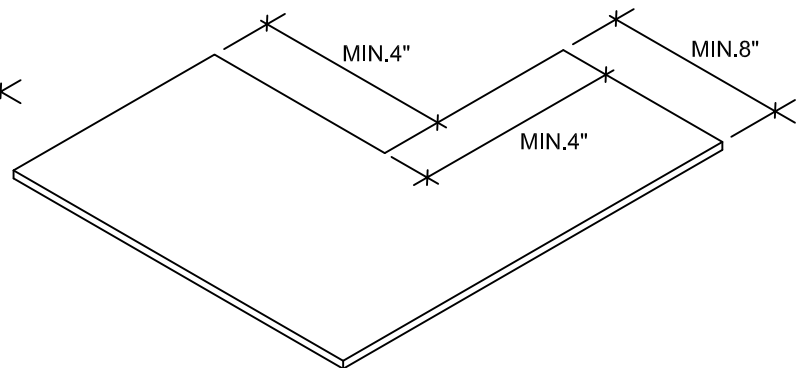
Outside Corner Detail - at Bottom of Wall



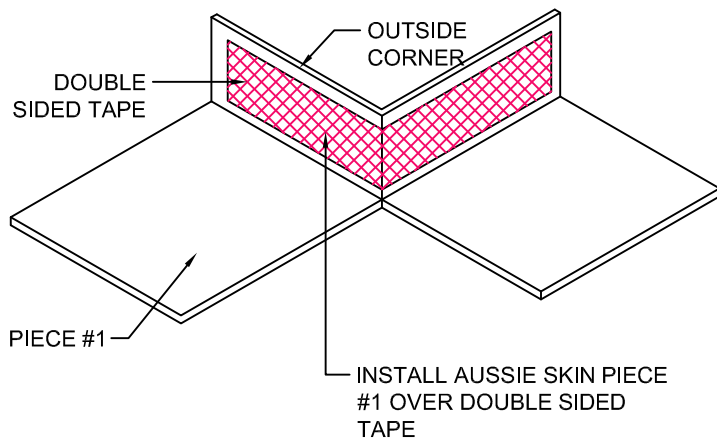
PIECE #1



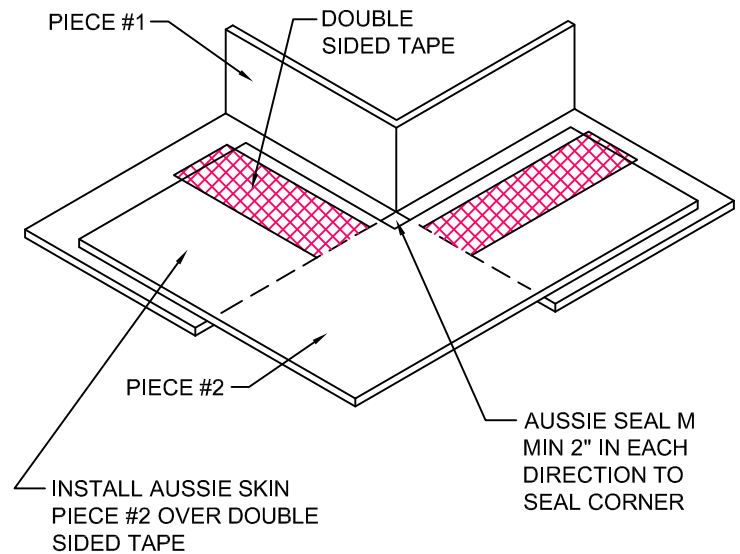
PIECE #2



STEP 1



STEP 2



NOTES:

1. Aussie Skin 550 is a Heavy, Duty, Easy to Install, Puncture Resistant Sheet Waterproofing Membrane with added technologies creating excellent adhesion between the membrane and wet Concrete or Shot-Crete.
2. All surfaces must be clean and sound before installing the lap joints. (Remove excess sand before applying double sided tape)