



AVM Aussie Mate® 585-CW (Cold Weather) Cold Weather Heavy Duty 60 Mil Bellow Grade Bituminous Waterproofing Sheet Membrane.

Product Name

AVM Aussie Mate® 585-CW

Manufactured by

AVM Industries, Inc.
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Product Description

The AVM AUSSIE MATE 585-CW is a cold weather heavy duty 60 mil bituminous waterproofing sheet membrane consisting of 56 mils of rubberized asphalt laminated to a 4-mil, cross-laminated polyethylene protection film. AVM AUSSIE MATE 585-CW is suitable for installations where the ambient temperature is between 25°F and 60°F (-4°C and 16°C). When the ambient or substrate temperature is above 60°F (16°C), AVM Aussie membrane 580-AL should be used.

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. It may also be used as an under-tile membrane when a mud-bed or thick-set type assembly is required.

Important Note: Prior approval and review of details by AVM is required on all jobs where this membrane will be installed directly over plywood.

Pipes which are wired together and touching, cannot properly be waterproofed. Ensure all pipes have proper spacing. Recommended spacing for pipe penetrations is 3-inches. The minimum allowed is 2-inches.

Warranty

We, the manufacturer, warrant only that this product is free of defects. Since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace, at no charge, proven defective product within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. A five (5) year material or system warranty may be available upon request. Contact AVM Industries for further details.

Delivery, Storage, and Handling

- Delivery of all the AVM System 585-CW 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 when protected from UV light and stored in dry conditions at temperatures between 40°F and 80°F.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the products. Exposing the membrane to higher temperatures than listed above may cause the protection film to delaminate.
- 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 MATE 585-CW is applied to must be sound, stable, dry, with an even finish and free from dust, loose debris, grease, curing agents, etc. If necessary, apply a parge coat using AVM Crete 6200. Do not apply to frozen, damp, frosty or contaminated substrates.
- Structural concrete must be cured for at least 7 days. Lightweight structural concrete must be cured for at least 14 days. Install membrane over smooth concrete blocks (CMU). If the blocks are rough or the mortar joints are tooled, parge the surfaces with AVM Crete 6200 to make them smooth. Allow parge coat to dry before the substrate is primed and the membrane is installed.
- Apply materials in dry weather, when ambient temperatures are between 25°F and 60°F. Do not leave exposed to U.V. Cover membrane as soon as possible.
- 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 585-CW 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 Aussie Mate 585-CW details and installation instructions.

Quality Control

- Visually inspect all surfaces to ensure full and proper adhesion, especially at corners, seams, drains, 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 from UV and possible damage. Cover membrane as soon as possible. Do not leave membrane exposed to UV for more than 7 days. Use AVM Drainage Boards or AVM Approved Protective Panels.

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

Laboratory Tests	Results
Thickness - ASTM D3767	60 mils
Tensile strength, membrane - ASTM D412	325 psi (2 241 kpa)
Tensile strength, film ASTM - D882	5,000 psi (34 474 kpa)
Elongation - ASTM D412	300% minimum
Permeance - ASTM E96	0.05 perms
Low-temperature flexibility - ASTM D1970	Unaffected at -25°F (-32°C)
Crack cycling - ASTM C836	Unaffected at -25°F (-32°C)
Peel strength - ASTM D903	9 lbs./in. (1,0168 N/m)
Lap adhesion - ASTM D1876	9 lbs./in. (1,0168 N/m)
Puncture resistance - ASTM E154	50 lbs. (22,7 kg) minimum
Water absorption - ASTM D570	0.1% maximum
Hydrostatic head - ASTM D5385	231 ft. (70,4 m) of water
Soil burial at 16 weeks - GSA-PBS 07121	No effect

Item/Component	Packaging	Approx Shipping Weights	Qty per Pallet	VOC
AUSSIE MATE 585-CW	3'0" x 66'8" Roll (200 sq.ft.)	76 lbs. (34.5 KG) / Roll 1980 lbs (898.5 kg) / Pallet	25 Rolls/Pallet	N/A

Recommended Sealant	Item Size	Qty / Box	Qty per Pallet	Weights			VOC
				Each	Box	Pallet	
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

No.	Descriptions	Results	
1	Tensile Property	Tensile Strength / (N/50mm) \geq	150
		Elongation at Maximum Tensile Force \geq	30%
2	Tear Strength /N \geq	12	
3	Heat Resistance	158°F for 2 hours, no sag, displacement, or dripping	
4	Low Temperature Flexibility at 5° F	No Cracking	
5	Water Permeability	0.3 MPa, 120 Minutes	0.3 MPa, for 2 hours: Impermeable
		Peel strength between membranes \geq	No Treatment 145 PSI Heat Treatment 145 PSI
6	Oil Permeability pcs \leq Consistent Adhesion min \geq		2 15
		Peel strength between membranes and concrete \geq	No Treatment 290 PSI After Heat Aging 217 PSI
7	Heat Aging 158°F/168 hours)	Tensile Retention \geq	90%
		Elongation Retention \geq	80%
8	Heat Stability	Low Temperature Flexibility	@ 9°F / No Cracking
		Appearance Dimensional Variation \leq	No bubbles, sag or flow 2% / No Cracking

Actual coverages may vary based on substrate conditions and other factors.

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