



MIN. THICKNESS TABLE & PROTECTION GUIDELINES

Sections - 071000 / 071400 / 071416

AVM System 500 Aussie Membrane

Heavy Duty Below Grade Bituminous Waterproofing Membrane

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

Depth Range	Min Thickness of Cured Membrane	Authorized Installer Required	Protection & Drainage System Required
Retaining Walls and Planters			
Up to 4 feet deep	60 Mils	No	Foam Board or AVM Drain Board 6000 + Drainage System
4-8 feet deep	60 Mils	Recommended	AVM Drain Board 6000 + AVM Bottom Drain or French Drain
8-12 feet deep	90 Mils	Yes	AVM Drain Board 6000 + AVM Bottom Drain or French Drain
Deeper than 12 Feet	90-180+ Mils, Consult with AVM	Yes	AVM Drain Board 6000 + AVM Bottom Drain or French Drain
Lagging Systems			
For all Depths	90-180+ Mils, Consult with AVM	Yes	AVM Drain Board 6000 + AVM Bottom Drain or French Drain
Between Slab Waterproofing			
For all applications	90-270 Mils, typically 180 + Fabric, consult with AVM	Yes	AVM Drain Board 9000
Under Slab Vapor Barriers			
For all applications	60+ Mils, consult with AVM	Yes	AVM Drain Board 9000 For Drainage system (if needed), consult with AVM
Methane Barriers			
For all applications	Consult with engineer or with AVM	Yes	AVM Drain Board 6000 (Vertical) AVM Drain Board 9000 (Horizontal)
Roof Pavers			
For all applications	180 Mils + Fabric, Best 270 + 2 Fabrics	Yes	¼" Rigid Protection Board + AVM Drain Board 9000
Roof Gardens (Green Roofs)			
For all applications	180 Mils + Fabric, Best 270 + 2 Fabrics	Yes	Consult with AVM

Protection Types

- Foam Protection Board: Min 1/4" thick foam. (Amoco,, Dow, Insulfoam, or equal)
- Rigid Protection Board: Rigid Asphaltic Boards such as Apoc Protective Panels made by Gardner or Equal. Typically ¼ inch.
- Drainage Board: AVM Drain Board 6000 (equal to Mira-Drain 6000, etc). For horizontal applications use AVM Drain Board 9000 (Equal to Mira Drain 9000) or call AVM for details. Drainage board must cover entire area of Aussie Membrane!
- Drainage System: Use AVM Bottom Drain 12" system, a French Drain system or equal to remove water and release hydrostatic pressure. If using a French Drain system, it must use a min 4" diameter perforated pipe and wrapped in the drainage mat or geotextile fabric.

Notes

1. Mils thickness specifications are for "DRY FILM" thickness
2. AVM Bottom Drain or French Drain systems are not applicable for installations over horizontal surfaces.
3. AVM Bottom Drain or French Drain systems are recommended, but not required for applications less than 24" deep.
4. Concrete Cant strips at 45° are required at cold joints and other horizontal-to-vertical intersections.
5. On vertical applications – "Termination Bars" are required where the drainage mat terminates.

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