

Technical Information Sheet



Ply IV Sheet

Item Description	Item Number
1 Roll (Ply IV Sheet)	W70RAC8740

MEETS ASTM D2178, Type IV. Tested in Accordance with D 148

Description

Ply IV Sheet is asphalt impregnated, glass fiber mat reinforced roofing ply which has been designed to provide superior durability and ease of application.

Ply IV Sheet is designed for use in the construction of Elevate Asphalt Built-Up Roof Systems. Ply IV Sheet can be used in conjunction with Elevate Modified Bitumen Base and Cap Sheets to build Hybrid Systems. Ply IV Sheet may be used as a ply in Modified Bitumen and Built-Up Roofing Systems.

Method of Application

1. Ply IV Sheet shall be installed with Elevate approved conventional hot asphalt or Elevate SEBS Mopping Asphalt.
2. This product is not designed to be installed in cut-back asphalt cold adhesive.

Storage

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 40 °F (4 °C) and a maximum of 140 °F (60 °C) so that it will be a minimum of 40 °F (4 °C) at the time of application.
- **Stack Ply IV rolls in original unopened packaging no more than two (2) pallets high.**
- If material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet, stored on end, and covered from the weather with a light-colored opaque tarp in a neat, safe manner not to exceed the allowable live load of the storage area.

Precautions

- Refer to Safety Data Sheets (SDS) for BUR Ply Sheets.
- Take care when transporting and handling Elevate BUR rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Elevate roofing membranes.

Performance Advantages

- The glass fiber mat provides high tensile strength and excellent dimensional stability.
- Meets the criteria for an Underwriters Laboratories (UL) G-1 base sheet.
- Approved for use in Factory Mutual tested roofing assemblies.
- Designed for use in all climatic zones.

LEED® Information

Post-Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: Tuscaloosa, AL



NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Product Data	
Property	Value
Roll Width	39.25" (1.0 m)
Roll Length	160' 6" (48.9 m)
Net Coverage	500 ft ² (46.5 m ²) *
Roll Weight	42 lb (19 kg)
Thickness	30 mil (0.8)
Pallet Size	46" x 46" (1.2 m x 1.2m)
Rolls per Pallet	25
Weight per Pallet	1,050 lb (476.3 kg)
Pallets per Truckload	40

* **NOTE:** Net coverage is dependent on the number of splices made during installation.

Typical Properties		
Property	ASTM Standard Required Value	Elevate Value
Width of Roll	39.4" (1.0 m)	39.4" (1.0 m)
Area of Roll	540 ft ² (50.1 m ²)	540 ft ² (50.1 m ²)
Product Thickness	N/A	35 mil (0.9 mm)
Net Dry Mass	6.2 lb/100 ft ² (303 g/m ²)	8.6 lb/100 ft ² (417 g/m ²)
Bituminous Saturant (Asphalt), min.	3.0 lb/100 ft ² (146 g/m ²)	6.7 lb/100 ft ² (329 g/m ²)
Moisture at Time of Manufacture, max.	1.0%	< 1.0%

Typical Properties Continued		
Property	ASTM Standard Required Value	Elevate Value
Mass of Desaturated Mat, min.	1.7 lb/100 ft ² (83 g/m ²)	1.79 lb/100 ft ² (87 g/m ²)
Ash, (Glass Mat Only)	70 to 88%	79%
Surfacing and Stabilizer, max.	3.2 lb/100 ft ² (156 g/m ²)	3.0 lb/100 ft ² (146 g/m ²)
Breaking Strength, min.	44.0 lbf/in, MD (7.7 kN/m), MD	57 lbf/in, MD (10 kN/m), MD
	44.0 lbf/in, CD (7.7 kN/m), CD	58 lbf/in, CD (10.2 kN/m), CD
Pliability, 1/2" (13 mm) Radius Maximum Failures, 10 Specimens	N/A	0

Note: Meets ASTM 2178, Type IV. Tested in Accordance with the D 146.

Please contact Holcim Technical Services at 800-428-4511 for further information.

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