

Type IV Glass Ply Felt



Overview

Carlisle's Type IV Glass Ply Felt is manufactured from a heavyweight fiberglass mat containing heat-cured resinous binders for added dimensional stability. The high-strength glass mat is saturated with Type IV asphalt, which provides excellent breaking strength and uniform porosity for improved ease of application.

Type IV Glass Ply Felt meets ASTM D2178 Type IV and may be used as an inner ply or base ply in Carlisle Multi-Ply systems. Type IV Glass Ply Felt may be used as a base ply when mopped in place over asphalt-compatible substrates and may be used as a temporary 90-day roof when installed in a two-ply format. It can be used as a vapor retarder.

Features and Benefits

- » Excellent tensile strength and tear resistance
- » Low moisture absorption and excellent dimensional stability
- » Easy to handle and lays flat
- » Non-slip surface
- » Meets UL G1 base sheet requirements
- » Designed for use in all climate zones

Application

Type IV Glass Ply Felt can be used as a base ply or inner ply in conjunction with Carlisle's AFX cap sheets. For non-nailable decks, Type IV Glass Ply Felt can be adhered directly to the primed substrate with Type III or IV asphalt, SEBS mopping asphalt, or Carlisle's Cold Applied Adhesive. For nailable decks, Carlisle's G2 Base Sheet is typically mechanically fastened (using Carlisle-approved fasteners) to the substrate as the first ply and subsequent layers of Type IV Glass Ply Felt are mopped to the base ply. Consult Carlisle specifications for complete installation information.

Specifications

- » Width – 36"
- » Length – 180'
- » Roll Weight – 47 lbs

Typical Properties and Characteristics

ASTM	D 2178-04 Type IV
UL	Type G1
Breaking Strength, lbf/in (kN/m)	
Longitude	44 (7.7)
Traverse	44 (7.7), min
Pliability at 77°F and 50% RH; ½" Radius (pass/fail)	
Longitude	PASS
Traverse	PASS
Net Dry Mass of Saturated Felt, lbs/100 ft. ²	> 6.0
Net Dry Mass of Asphalt-impregnated Glass Felt, lbs/100 ft. ² (g/m ²)	
Average of all rolls	Longitude
Nonlinearly parting agent	6.2 (303)
Mineral parting agent	7.0 (342)
Individual rolls	6.0 (293)
Moisture, at the time of manufacturing	1.0%, max
Mass of desaturated glass felt, lbs/100 ft. ²	1.7 (83), min
Asphalt, lbs/100 ft. ² (g/m ²)	3.0 (146), min
Ash	70% to 88%
Parting Agent and Stabilizer, lbs/100 ft. ² (g/m ²)	3.2 (156), max

* Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product.

LEED® Info

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Tuscaloosa, AL

Packaging

Product	SureMB Type IV Glass Ply Felt
Size/Weight	36" x 180'/40 lbs
Actual Coverage 1 ply	500 ft ²
Part Number	318311