

CARLISLE'S TYPE IV GLASS PLY FELT



Overview

The Carlisle Type IV Glass Ply Felt is manufactured with a heavyweight fiberglass mat containing heat-cured resinous binders for added dimensional stability. The high strength glass mat is saturated with type IV asphalt, giving our type IV felt excellent breaking strength, as well as a uniform porosity for ease in applications.

Carlisle's Type IV meets ASTM D-2178 Type IV felt and may be used as an inner ply or base ply in a Carlisle multi-ply system. It may be used as a base ply when mopped in place over asphalt-compatible substrates. When installed in a two ply format Carlisle's Type IV Glass Ply Felt may be used as a temporary roof.

Features and Benefits

- Consistent tensile strength and tear resistance
- Low moisture absorption and excellent dimensional stability
- Easy to handle and lays flat
- Non-slip surface
- Meets Underwriters Laboratories (UL) G-1 base sheet requirements
- Designed for use in all climate zones

Application

Carlisle Type IV Glass Ply Felt is used as a base or inner-ply in conjunction with Carlisle's AFX cap sheets. For non-nailable decks Type IV 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

Type IV Glass Ply Felt

Typical Properties and Characteristics

ASTM	D 2178-04 Type IV
UL	Type G1
Breaking Strength, lbf/in (kN/m)	
Longitude	44 (7.7)
Transverse	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	
–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

LEED® Info

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

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