



FlexShield IV FlexShield VI

Product Information and Technical Data

Product Description:

FlexShield IV and VI are manufactured with a heavyweight fiberglass mat containing heat-cured resinous binders. The high strength glass mat is saturated with Type IV asphalt, yielding excellent strength and weathering characteristics as well as a uniform porosity for ease in application. These products are used in hot mopped roofing applications and may be the basic ply sheet used in all modified bitumen, smooth and gravel surfaced roofing systems requiring ASTM D-2178 Type IV/VI felt.

GlobalShield Fiberglass – Specifications and Physical Properties:

ASTM	D 2178 Type IV	D2178 Type VI
UL	Type G1	Type G1
Breaking Strength, lbf/in (kN/m)		
Longitude	44 (7.7)	60 (10.5)
Transverse	44 (7.7), min	60 (10.5), min
Pliability, tested with 3/4" (19mm) radius	No Failures	No Failures
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)	6.2 (303)
Mineral parting agent	7.0 (342)	7.0 (342)
Individual rolls	6.0 (293)	6.0 (293)
Moisture, at time of manufacturing	1.0% max.	1.0% max.
Mass of desaturated glass felt, lbs/100 ft ² (g/m ²)	1.7 (83), min.	1.9 (93), min.
Asphalt, lbs/100 ft ² (g/m ²)	3.0 (146), min.	3.0 (146), min.
Ash	70% to 88%	70% to 88%
Parting agent and stabilizer, lbs/100 ft ² (g/m ²)	3.0 (146), max.	3.0 (146), max.

Availability and Costs:

Availability: Products are immediately available from GlobalShield, Inc. throughout the United States.

Cost: Cost data is available from your local GlobalShield representative.

Technical Services: GlobalShield Technical Services Department provides problem analysis and assistance in developing recommendations for special applications. Warranty systems require inspection by GlobalShield prior to installation. Progress and final inspections are also required.

Statement of Policy and Responsibility:

GlobalShield takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation. GlobalShield does not, either itself or through its representative, practice architecture or engineering. GlobalShield offers no opinion on, and expressly disclaims any responsibility for, the structural soundness of any roof deck on which its products may be applied. Opinions of competent structural engineers should be obtained by the owner as to the structural soundness of the roof deck, or its ability to properly support the contemplated roof installation. GlobalShield accepts no liability for any failure of the roof deck or resultant damages, and no GlobalShield representative is authorized to vary this disclaimer.

