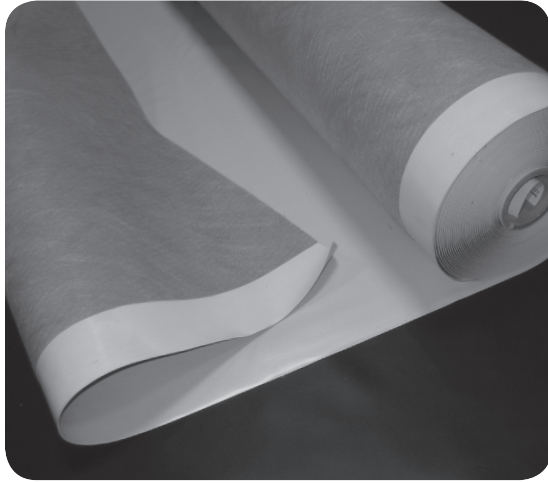


MEMBRANE



60 mil FiberTite-SM-FB

Product Data

Seaman Corporation's 60 mil FiberTite-SM-FB "fleece back" features an 18 x 19 / 840 x 1,000 denier weft reinforced polyester knit fabric, coated with a proprietary compound, utilizing DuPont's™ Elvaloy® Ketone Ethylene Ester (KEE) as the principle polymer in the hybrid vinyl alloy coating with a polyester felt heat bonded to the backside.

DESCRIPTION

60 mil FiberTite-SM-FB "fleece back" is a 52-oz sq. yd/nominal 60-mil (1.5 mm) thick membrane. 60 mil FiberTite-SM-FB surpasses all the physical property requirements enumerated in ASTM D6754-02 Standard Specification for Ketone Ethylene Ester (KEE) Based Sheet Roofing and is manufactured by request.

The 60 mil FiberTite-SM-FB membrane incorporates a 4-oz per sq. yd non-woven polyester felt, heat bonded to the back side of the membrane with a 3-in selvage edge for field welding. 60 mil FiberTite-SM-FB fleece back is manufactured in conventional 72-in by 80-ft roll goods.

Seaman Corporation is vertically integrated, which allows complete control over the manufacturing process from the selection of the yarns, to the engineering, knitting and weaving of the base fabrics to the final coating process. Today, FiberTite Roofing Membranes are the result of Seaman Corporation's 60 years of applied fabric engineering and coating technology.

All FiberTite Roofing Membranes are constructed using high tenacity/heavy weight yarns to create a base fabric reinforcement to impart superior puncture, tensile and tear resistance properties. The base polyester fabrics are primed with a unique and proprietary adhesive coat that lays the foundation to physically bond the KEE coatings to the "fiber" to maximize seam strength and overall membrane performance.

60 mil FiberTite-SM-FB is coated on the face with Seaman Corporation's original "KEE" formulation to provide superior hot air welding characteristics, extreme UV resistance, broad chemical resistance and long-term flexibility and reparability for the installed roofing membrane system. The back side of the membrane is coated with a slightly modified (SM) economical version of Seaman Corporation's original KEE compound to control membrane costs while offering additional thickness and weather ability. 60 mil FiberTite-SM-FB exhibits excellent tear, puncture, fungus, algae and flame resistance that make FiberTite Roofing Systems some of the most sustainable roofing systems available.

PHYSICAL PROPERTIES

ASTM D6754-02	Minimum Requirements	60 mil-FB Typical
Thickness, mm (in.) ASTM D 751	0.79 (0.031)	1.52 (0.060 nom.)
Thickness over Fiber, mm (in) Optical method (inches)	0.15 (0.006)	0.56 (0.023)
Breaking Strength, N (lbf) ASTM D 751 proc. B - strip	1175 (265)	1557 (350)
Elongation at Break, % ASTM D 751 - strip	15	18
Tear Strength, N (lbf) ASTM D 751 Proc. B. Tongue Tear	335 (75)	445 (100)
Linear Dimensional Change ASTM D 1204 max (%)	1.3	0.63
Fabric Adhesion, N/m (lbf/in) ASTM D 751	225 (13)	no peel
Retention of Properties after Heat Aging ASTM D 3045 - 176°/56 days Breaking Strength, strip, % original Elongation at Break, strip, % original	90 90	90 90
Low Temperature Bend after Heat Aging	-30	-40
Low Temperature Bend ASTM D 2136 (°f)	-30	-40
Change in Weight after Exposure in Water D 471 158°f, 166 h, one side only, max. (%)	0.0, +6.0	0.0, +3.7
Factory Seam Strength, N (lbf) ASTM D 751 Grab Method	1780 (400)	> Fabric Break
Hydrostatic Resistance, Mpa (psi) ASTM D751	3.5 (500)	5.5 (800)
Static Puncture Resistance ASTM D 5602 (99 lbf)	pass	pass
Dynamic Puncture Resistance (J) ASTM D 5635	10	> 25



For more information on FiberTite Systems and accessories please call:
Seaman Corporation (800) 927-8578
International (330) 262-1111
www.fibertite.com

INTELLIGENT
ROOFING SOLUTIONS

FiberTite® is a registered trademark of Seaman Corporation.



Subject to the conditions of Approval for a roof covering when installed as described in the current edition of the Approval Guide.



As to an external fire exposure only. See UL directory of products certified for Canada and UL roofing materials and systems directory 34KL, 48P0, 97P9.



DC196



CFFA CHEMICAL FABRICS & FILM ASSOCIATION, INC.



ESR-1456

