



60 mil FiberTite-XT-FB

Product Data

Seaman Corporation's 8155 FiberTite-XT-FB "fleece back" membrane features an 18 x 18 / 1,100 x 1,300 denier weft reinforced polyester knit fabric, coated with a proprietary compound, utilizing DuPont's™ Elvaloy® Ketone Ethylen Ester (KEE) compound as the principle polymer in the hybrid vinyl alloy coating.

DESCRIPTION

8155 FiberTite-XT-FB "fleece back" is a 55-oz sq. yd/nominal 60-mil (1.5 mm) thick membrane and is an Xtra-Tough and Xtra-Thick version of the FiberTite family of membranes. 8155 FiberTite-XT-FB far exceeds all requirements enumerated in ASTM D6754-15 Standard Specification for Ketone Ethylene Ester (KEE) Based Sheet Roofing and has unmatched performance vs. 100 mil competitive products. 8155 FiberTite-XT-FB is a specialty membrane manufactured upon request.

The 8155 FiberTite-XT-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. 8155 FiberTite-XT-FB fleece back is manufactured in conventional 72-in by 75-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.

8155 FiberTite-XT-FB is coated face and back 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. Additionally, 8155 FiberTite-XT-FB exhibits superior tear, puncture, fungus, algae and flame resistance that make FiberTite Roofing Systems some of the most sustainable roofing systems available.

These specifications are current as of the date of printing. Revisions or additions may be issued periodically. For a listing, presentation, and download of the most recent data, visit:

www.fibertite.com/document-library/product-data-sheets

PHYSICAL PROPERTIES

ASTM D6754-15	Minimum Requirements	8155-FB Typical
Thickness, mm (in.) ASTM D 751	0.81 (0.032)	1.52 (0.060 nom.)
Thickness over Fiber, mm (in) Optical method (inches)	0.18 (0.007)	.38 (> 0.015)
Breaking Strength, N (lbf) ASTM D 751 proc. B - strip	1499 (338)	1779 (400)
Elongation at Break, % ASTM D 751 - strip	18	18
Tear Strength, N (lbf) ASTM D 751 Proc. B. Tongue Tear	338 (76)	556 (125)
Linear Dimensional Change ASTM D 1204 max (%)	1.3	.78
Fabric Adhesion, N/m (lbf/in) ASTM D 751	3330 (19)	no peel
Retention of Properties after Heat Aging ASTM D 3045 - 176°f/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	1955 (440)	> Fabric Break
Hydrostatic Resistance, Mpa (psi) ASTM D751	4.1 (590)	6.2 (900)
Static Puncture Resistance ASTM D 5602 (99 lbf)	pass	pass
Dynamic Puncture Resistance (J) ASTM D 5635	10	> 30



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

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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.



CHEMICAL FABRICS & FILM ASSOCIATION, INC.



ESR-1456



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APPLICATION

8155 FiberTite-XT-FB Roofing Systems are installed by adhering the “fleece back” membrane in FTR-290 low VOC solvent borne adhesive, FTR-390 water borne asphalt emulsion, FTR-490 water borne elastomeric adhesive, FTR CR-20, or hot asphalt to a variety of pre-approved substrates..

For specific installation recommendations and requirements, please consult the most current versions of Seaman Corporation’s Guide Specifications for the Installation of FiberTite Roofing Systems.

PHYSICAL PROPERTIES (cont.)

ASTM D6754-15	Minimum Requirements	8155-FB Typical		
Accelerated Weathering <i>Practice G 155 / xenon</i>	5000hr	>10000hr		
cracking (7x magnification)	none	none		
crazing (7x magnification)	none	none		
Accelerated Weathering <i>Practice G 154 / UVA</i>	5000hr	>10000hr		
cracking (7x magnification)	none	none		
crazing (7x magnification)	none	none		
Fungi Resistance <i>Practice G 21, 28 days</i>	no growth none	no growth none		
Sustained Growth Discoloration				
Abrasion Test, cycles <i>D 3389 H-18 wheel / 1,000 g load</i>	1,500	2,000+		
Additional Physical Properties				
Tensile Strength (psi) <i>ASTM D882</i>	> 9500			
Breaking Strength (lbs) <i>ASTM D751, Grab Method</i>	600			
Puncture Resistance (lbs) <i>ASTM D751, Bursting Strength</i>	700			
Water Vapor Transmission <i>ASTM E96 proc. A (gm/m2/24hrs)</i>	1.3			
Shore A Hardness <i>ASTM D2240</i>	87			
Flame Resistance <i>MIL-C-20696C / Type II Class 2</i>	pass			
Oil Resistance, MIL-C-20696C <i>No swelling, cracking or leaking</i>	none			
Hydrocarbon Resistance, MIL-C-20696C <i>No swelling, cracking or leaking</i>	none			
High Temperature Dead Load <i>ASTM D751 (50 lbs, 160°F, 4 hrs)</i>	pass			
Energy Attributes	DC196 Off White	DC6 White	DC671 CR Gray	DC667 CR Tan
Initial Solar Reflectance <i>ASTM C1549</i>	0.83	0.87	0.69	0.72
Solar Reflectance (3 yr aged) <i>ASTM C1549</i>	0.66	0.71	.61	.63
Initial Thermal Emittance <i>ASTM C1371</i>	0.85	0.85	0.89	0.88
Thermal Emittance (3 yr aged) <i>ASTM C1371</i>	0.74	0.84	.89	.89
Solar Reflective Index (SRI) <i>ASTM E1980</i>	104	110	84	88
Solar Reflective Index (SRI) (3 yr aged) <i>ASTM E1980</i>	76	86	73	76
Energy Star	YES	YES	YES	YES
LEED v4 - Heat Island Reduction <i>SS Credit</i>	1 Credit	1 Credit	1 Credit	1 Credit



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