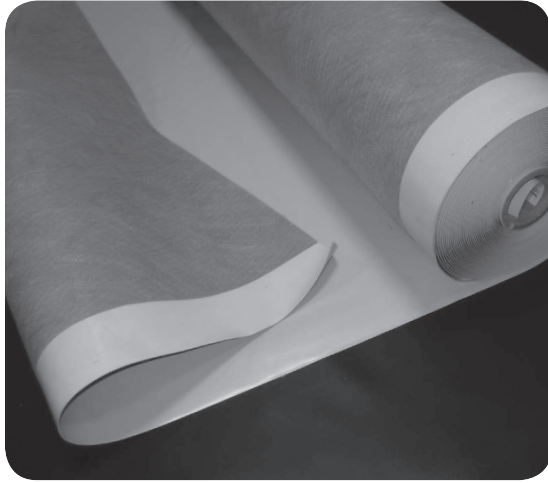


# MEMBRANE



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



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