# **AIR & VAPOR BARRIER**



# FiberTite<sup>®</sup> VBX<sup>TM</sup>

**Product Data** 

Seaman Corporation's FiberTite<sup>®</sup> VBX<sup>™</sup> Air and Vapor Barrier Membrane is designed for installation on steel roof decks as the base layer of the roof assembly.

### DESCRIPTION

Seaman Corporation is vertically integrated, which allows complete control over the manufacturing process from the selection of yarns, to the engineering, knitting and weaving of the base fabrics to the final thermoplastic coating process. Today, Fibertite Roof Membranes are the result of Seaman Corporation's 70-plus years of applied fabric, engineering and coating technology.

FiberTite VBX Air and Vapor Barrier is a reinforced thermoplastic membrane designed for use on low-slope commercial/ industrial roofs as an air and vapor barrier to provide a continuous membrane to restrict or prevent the passage of air from the building into the thermal roof assembly. VBX membrane may provide UV and weather-ability resistance for up to 180 days. The membrane is designed to provide enhanced durability through fabric reinforcement which provides both tear and puncture resistance.

## APPLICATION

Mechanically Attached
 FiberTite VBX Membrane is
 installed by mechanically
 fastening the membrane to a
 steel roof deck utilizing FiberTite
 1 - ¼" HD Fasteners (#14)
 and Magnum Plus Stress Plates.



- The Air and Vapor Barrier Membrane is made watertight by the use of hot-air welding equipment to seal overlapping membrane seams, creating a monolithic waterproofing surface.
- Sealing around roof penetrations (e.g. pipes and HVAC curbs) is completed by the use of conventional FiberTite Flashing Details.

#### COMPATIBLE SUBSTRATES

Steel roof decks
 Gypsum Roof Board

#### STORAGE

Store FiberTite Air and Vapor Barrier Membrane rolls lying down, elevated above the ground or roof deck, and completely covered with tarpaulins. Packaging is not considered adequate for outdoor storage.

PHYSICAL PROPERTIES	
Property (as manufactured)	Value/Units
Color	Translucent White
Thickness	22 mils (0.559mm)
Membrane Weight	20 oz/yd² (678 g/m²)
Primer	None required
Roll Coverage	625 ft² (58.0 m²)
Roll Width	75 inches (190.5 cm)
Roll Length	100 feet (30.4 m)
Exposure as Temporary Roof	up to 180 days
Application Season	All Seasons
Application Temperature	>32°F (0°C)
Strength Testing	Result
Tensile Strength (Strip Tensile) ASTM D751 – Procedure B	warp: 250 lb/in (44.6 kg/cm)   fill: 250 lb/in (44.6 kg/cm)
Grab Tensile ASTM D751 – Procedure A	warp: 375 lb (170 kg)   fill: 325 lb (147.4 kg)
Puncture Resistance (Ball Tip) ASTM D751	500 lb (226.7 kg)
Tear Strength (Tongue Tear) ASTM D751	warp: 80 lb (36.2 kg)   fill: 70 lb (31.7 kg)
Water Vapor Transmission	Result
Water Vapor Permeance ASTM E96 – Procedure B	0.35 perms
Hydrostatic Pressure ASTM D751	500 PSI
Air Resistance Testing	Result
Air Permeance ASTM E2178/11	$0.004 \ cfm/ft^2$ at a pressure differential of 1.57 psf
Fire Testing	Result
Fire Properties (Class A rated) ASTM D6413 – 2 second flame out	Pass
Fire Test of Roof Deck Constructions ANSI/ UL 1256	Pass



FiberTite<sup>®</sup> and VBX<sup>™</sup> are trademarks of Seaman Corporation.

For more information on FiberTite Systems and accessories please call: Seaman Corporation (800) 927-8578

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