



STRONGHOLD™ PVC FB

High-performance fleeceback thermoplastic membrane built for high reflectivity and low maintenance

STRONGHOLD™

PRODUCT DESCRIPTION

StrongHold PVC FB from Bitec® is a high-performance polyvinyl chloride (PVC) roofing membrane that delivers UV, chemical, and fire resistance. StrongHold PVC FB is produced with high-grade PVC resins and a polyester reinforced membrane with a polyester fleece backing. StrongHold PVC FB is a highly reflective, low-maintenance white roofing surface (also available in grey and tan) that can save asset owners time and increase the energy efficiency of a building.

The fleece backing on StrongHold PVC FB is ideal for re-roofing installations by adding a cushioning layer between the membrane and a pre-existing smooth built-up or cap sheet surface, structural or lightweight concrete decks, or various insulations. Minor imperfections or ridges in the previous roof surface are protected from coming in contact with the membrane, preventing abrasion problems and eliminating the need for insulation or slipsheets.

The durability and protection of the fleece backing added to the performance and longevity of the PVC membrane creates a superior total solution that performs in either mechanically fastened or adhered applications.

BENEFITS

- Contractor friendly one-step installation
- Fleece backing protects in re-roofing applications
- Quality watertight seal that will not break down over time
- Able to be mechanically fastened or adhered
- 120" wide sheet reduces fasteners and seams needed
- Chemical resistance
- Fire resistance - meets UL Class A fire rating
- Exceeds ASTM D4434 Type III standard for PVC roofing
- Adhered installation over lightweight concrete meets FM 1-270 wind uplift requirements, enabling application in the most extreme weather areas (coastal, high-rise, etc.)
- Meets & exceeds wind uplift requirements up to FM 1-735 (when installed on a structural concrete deck)
- High UV reflectance (white version)
- Low temperature flexibility
- Thermally stable
- Available in white, tan & grey

APPLICATION

Review Application Guidelines or consult your Bitec representative for specific application guidelines based on the details of your project.

StrongHold PVC FB membrane is thermoplastic in nature and is certified as conforming to the requirements of ASTM D4434 Type III standard specification for Polyvinyl Chloride (PVC) sheet roofing and IBC 1504.7.

Technical Data	StrongHold PVC FB
Color	White, Tan, Grey
Thickness (ASTM D751)	0.60" nominal
Thickness over Scrim (ASTM D7635)	0.30"
Breaking Strength (ASTM D751)	375x343 (minimum, lbf/in)
Seam Strength (ASTM D751)	297 lbf
Elongation at Break (ASTM D751)	91% x 97%
Heat Aging (ASTM D3045)	>90%
Tear Strength (ASTM D751)	58 x 82
Low Temperature Flex (ASTM D2136)	PASS @ -40°F
Static Puncture Resistance (ASTM D5602)	PASS
Dynamic Puncture Resistance (ASTM D5635)	PASS
Dimensional Change (ASTM D1204)	0.25%
Water Absorption (ASTM D570)	1.5% max
Accelerated Weathering (ASTM G155)	PASS
Solar Reflectivity (ASTM C1549)	82% (White) 68% (Grey) 69% (Tan)
Emissivity (ASTM C1371)	.91 (White) .87 (Grey) .85 (Tan)
SRI (ASTM E1980)	109 (White) 82 (Grey) 83 (Tan)



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