



STRONGHOLD™ KEE FB

Fleece-backed thermoplastic membrane with DuPont Elvaloy® built for high reflectivity and low maintenance

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PRODUCT DESCRIPTION

StrongHold KEE FB from Bitec® is a high-performance thermoplastic roofing membrane designed for adhered applications. Produced with DuPont Elvaloy® KEE and a polyester reinforced scrim with a 5.50 oz. polyester fleece backing, StrongHold KEE FB delivers built-in chemical, fire, and UV resistance. StrongHold KEE FB's highly reflective, low-maintenance roofing surface can save asset owners time and increase the energy efficiency of a building.

The fleece backing on StrongHold KEE 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 slip-sheets.

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

BENEFITS

- Contractor-friendly
- Sheet width options save labor time
- Can be fully adhered with either hot asphalt or cold adhesive to a wide range of substrates
- Outstanding chemical resistance
- Fire resistance - meets UL Class A fire rating
- Exceeds ASTM D4434 Type III standard for PVC roofing
- Meets & exceeds FM 1-90 wind uplift requirements
- High UV reflectance for energy efficiency (white version)
- Retains flexibility in temperatures well below freezing
- Excellent ponding water resistance, can be installed in extreme low-slope conditions
- Available in white, tan & grey

APPLICATION

StrongHold KEE 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 KEE FB
Color	White, Tan, Grey
Thickness (ASTM D751)	0.60" nominal
Thickness over Scrim (ASTM D7635)	0.30"
Roll Size	76" x 100' 120" x 100'
Permeance (ASTM E96)	.003 Perms
Breaking Strength (ASTM D751)	325x324 (minimum, lbf/in)
Seam Strength (ASTM D751)	295 lbf
Elongation (ASTM D751)	50% x 42%
Heat Aging (ASTM D3045)	>90%
Dimensional Stability (ASTM D1204)	0.3%
Low Temperature Flex (ASTM D2136)	PASS @ -40°F
Tear Strength (ASTM D751)	89 x 109
Fungi Resistance (ASTM G21)	No growth
Static Puncture Resistance (ASTM D5602)	PASS
Dynamic Puncture Resistance (ASTM D5635)	PASS
Dimensional Change (ASTM D1204)	0.25% (maximum % at 176°F, 6 hrs)
Water Immersion (ASTM D570)	1.20%
Accelerated Weathering (ASTM G155)	PASS
Solar Reflectivity (ASTM C1549)	82% (White) 69% (Grey) 68% (Tan)
Emissivity (ASTM C1371)	.91 (White) .86 (Grey) .87 (Tan)
SRI (ASTM E1980)	109 (White) 83 (Grey) 83 (Tan)



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