



WELDTITE™ PVC

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

STRONGHOLD™

PRODUCT DESCRIPTION

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

WeldTite PVC is ideal for use in either mechanically attached or adhered applications, with width options up to 120" that can reduce seam-welding or fasteners needed by 20%. Bitec provides a complete line of fastener options for mechanically attached applications, and adhered applications can be fully bonded using StrongHold's Multi-Purpose Sealant Adhesive (MPSA). WeldTite PVC is also lightweight, making it an attractive solution for re-roofing projects where a tear-off can be avoided, saving landfill waste and helping a project meet sustainability objectives.

BENEFITS

- Contractor-friendly
- Sheet width saves labor time
- Reduced seams & fasteners for better waterproof protection
- 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 (white version)
- Low temperature flexibility
- Thermally stable
- Available in tan & grey

APPLICATION

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

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

Technical Data	WeldTite PVC
Color	White, Tan, Grey
Thickness (ASTM D751)	0.60" nominal
Thickness over Scrim (ASTM D7635)	0.30"
Roll Size	60" x 100' 81" x 100' 120" x 100'
Weight	6.55 oz/ft ²
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 @ 33 lbs
Dynamic Puncture Resistance (ASTM D5635)	PASS @ 20J
Dimensional Change (ASTM D1204)	0.25% (maximum % at 176°F, 6 hrs)
Water Immersion (ASTM D570)	1.96%
Accelerated Weathering (ASTM G155)	PASS
Solar Reflectivity (ASTM C1549)	82% (White) 69% (Grey) 68% (Tan)
Emissivity (ASTM C1371)	.91 (White) .87 (Grey) .85 (Tan)
SRI (ASTM E1980)	109 (White) 82 (Grey) 83 (Tan)

