IB® PVC SINGLE PLY FB 80

Product Description:

IB PVC Single Ply FB 80 is a polyester scrim reinforced, compounded PVC resin-based sheet with plasticizers, stabilizers, fillers, pigments, and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 80-mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance. The underside of the membrane has a tough polyester fleece backing compatible with both adhered and mechanically fastened applications.

Features:

- Premium calender-film laminated, compounded, and manufactured.
- Meets and exceeds ASTM D 4434-15, Type III Thermoplastic membrane.
- Excellent flexibility in all climates.
- Highly reflective. Can help to reduce heat transfer through the roof into the building's interior.
- Thick, heavy-duty 38-mil top ply weathering film.
- Thermally welded seams provide superior seam strength.
- Exceeds California Title 24 requirements for Solar Reflectance and Emissivity (white).
- 3.5 oz fleece backing for enhanced performance.

Uses:

IB PVC Single Ply FB 80 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be adhered, or mechanically attached to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Available Colors:

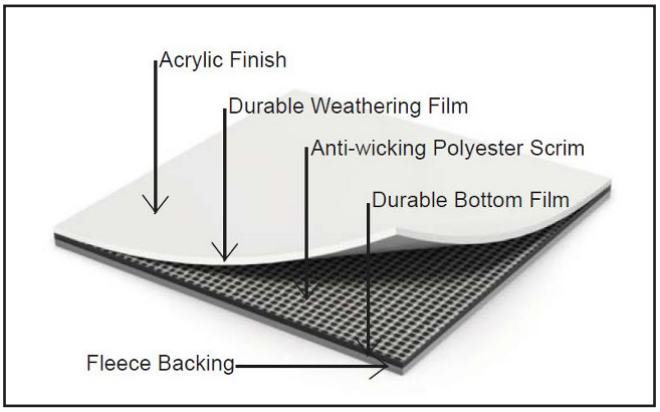
White. Gray is special order.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and FM Global. Visit our website for links to these agencies and listings at: www.ibroof.com.

Packaging:

Membrane	Dimensions	Roll (Sq. Ft.)	Rolls / Pallet	Approx. Roll Weight
80 Mil FB	6' x 60'	360 sq. ft.	10	200 lbs.



Product details stated are nominal as manufactured, and the results of tests and/or calculations and therefore are non-binding and do not represent a guarantee or warranted characteristics. User and/or designer are responsible for confirming suitable performance for specific application and conforming with all applicable laws and regulations.

Storage:

Store IB PVC Single Ply membrane indoors, out of sunlight, and away from objects that could cause physical damage or create punctures.

Warranties:

IB PVC Single Ply FB 80 Membrane Warranty options when installed by IB Authorized Applicators subject to IB Roof Systems specifications and warranty requirements:

- Lifetime Residential Limited Material Warranty
- 20 Year Residential Limited Material Warranty
- 20-25 Year Commercial Limited Material Warranty
- 20 Year Warranty Plus Labor & Material Warranty
- 10-30 Year Total Systems Warranty

Application:

Adhered (FA), Mechanical (MA)

Install the IB PVC Single Ply membranes in accordance with IB PVC Specifications and Construction Details. Refer to www.ibroof.com for additional installation instructions. Membranes must not be applied during adverse weather or without precautionary measures in temperatures below 40°F (4°C). All surfaces should be clean, dry, free of dirt, dust, debris, oils, soaps, coatings, and other contaminants that may inhibit bonding.

Safety Precautions:

Use proper equipment and assistance when moving, lifting, handling, or transporting membrane rolls to avoid personal injuries as well as damage to the membrane. Refer to the Product Safety Data Sheet for additional safety information.

Solar Reflectance/Thermal Emittance/SRI Values:

Color	Solar Reflectance	Solar Reflectance 3-Year Aged	Thermal Emittance	Thermal Emittance 3-Year Aged	SRI Value Initial	SRI 3-Year Aged	Title 24
White	0.87	0.74	0.88	0.87	109	91	24

Property	ASTM Method	Requirement	80 Mil
Overall thickness, PVC sheet, min. (in.)	D751	0.045	0.080
Thickness over scrim	D7635	0.016	Pass
Breaking strength, min. (lbf/in)	D751	200 X 200	471 x 407
Elongation at the break, min. %	D751	15^{A}X15^{A}	33 x 35
Retention of properties after heat aging (min. % of original): Breaking strength Elongation	D3045 D751 D751	 90 90	 Pass Pass
Tear strength, min. (lbf)	D751	45.0	Pass
Low temperature bend	D2136	-40°F	Pass
Accelerated weathering test: Cracking (7x magnification) Crazing (7x magnification)	G154	 None None	 None None
Linear dimension change, max %	D1204	+/- 0.5	<0.5%
Change in weight after immersion in water, %	D570	+/- 3.0	<1.0%
Static puncture resistance	D5602	Pass	Pass
Dynamic puncture resistance	D5635	Pass	Pass
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-15.			

Environmental:

Recycle Content	
Post Consumer	0%
Post Industrial	20%

Go to https://ibroof.com/tds for the most up-to-date version of this document. **Toll Free: 800-426-1626**

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