



Product Description:

IB PVC Single Ply 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.

Features:

- Premium calender-film laminated, compounded, and manufactured.
- Meets and exceeds ASTM D 4434-15, Type III Thermo-plastic 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).

Uses:

IB PVC Single Ply 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, induction welded, or mechanically attached to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Available Colors:

White	Gray	Tan	Bronze

Approvals:



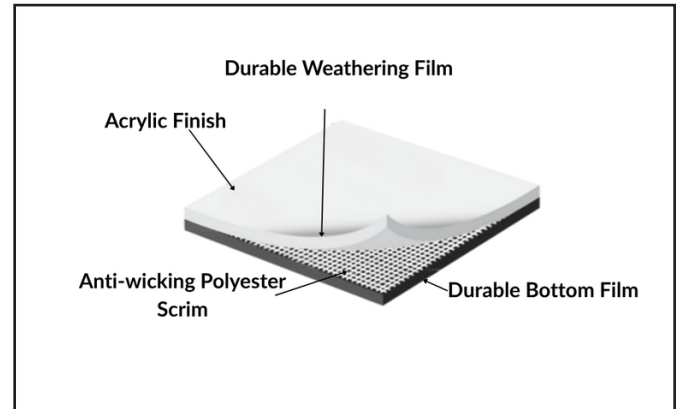
IB PVC membranes are listed with various component assemblies at UL and FM Global. Visit our website for links to these agencies and listings at: www.ibroof.com.

Packaging:

Membrane	Dimensions	Roll (Sq. Ft.)	Rolls / Pallet	Approx. Pallet Weight
80 Mil	60' x 90'	360 sq. ft.	12	2292 lbs.
	3' x 90'	180 sq. ft.	24	2304 lbs.

Storage:

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



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.

Warranties:

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

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

Application:

Adhered (FA), Induction (IW), Mechanical (MA), Ballasted (BA)

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	Thermal Emittance	SRI Value Initial	SRI 3-Year Aged
White	0.87	0.88	109	91
Tan	0.36	0.88	92	32
Gray	0.16	0.88	39	N/A
Bronze	N/A	N/A	N/A	N/A

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	363 x 305
Elongation at the break, min. %	D751	15 ^A X15 ^A	28 x 30
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	5635	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

Care has been taken to ensure that the contents of this publication are accurate, however IB Roof Systems and any subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use of application of products or methods of working, are for information only and IB Roof systems and any subsidiary accept no responsibility in respect thereof.



Quality Products



Exceptional Service



Technical Expertise

IBroof.com

510810066 V2. 9/03/2026