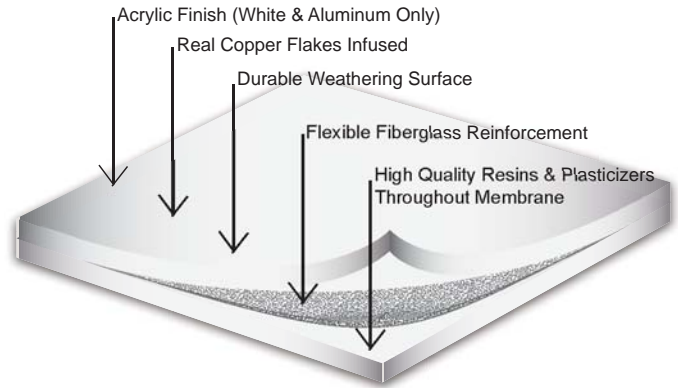


IB PVC GR 60

Product Description:

IB PVC GR-60 is a high quality fiberglass reinforced single ply membrane designed for fully adhered systems, details and flashings. It is constructed with a fiberglass reinforcement providing strength, fire resistance and dimensionally stability. IB PVC GR-60 is a smooth backed membrane manufactured utilizing a “Cast-Spreading” technique formulated with high quality resins, plasticizers, stabilizers and other proprietary materials for superior performance characteristics. To further create the look of a metal roof, matching IB Flexible Metal Profiles may be welded to the surface of the membrane to simulate standing seam metal. Physical properties are typical results tested to ASTM D4434-06, Type II, Grade 1 standards for PVC membranes.



Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
5' x 70'	350 sq. ft. / 134 lbs.
12" x 70'	70 sq. ft. / 27 lbs.
6" x 70'	35 sq. ft. / 14 lbs.

Features:

- Weatherproof and UV Resistance
- Dimensional Stability
- Flexibility at Low Temperatures
- Resistant to Puncturing

Use:

IB PVC GR-60 can be installed over a properly prepared substrate (insulation, cover board or other pre-approved materials) with Flexocol V or approved IB adhesives. All seams (side and end laps) are thermally welded using a hot air welder with a minimum weld width of 1-1/2". Seal seams where required with matching IB PVC GR Edge Sealant.

A wide selection of high performance & energy efficient GR Class roof assemblies are available offering long term weatherability and resistance to the elements.

Warranties:

IB PVC GR 60 has a 20-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total Systems' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

Old World Bronze, Aluminum, White.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.

Solar Reflectance / Thermal Emittance / Calculated SRI Values				
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	LRV
White	0.770	0.86	95	87.5
O.W. Bronze	0.42	0.78	43	25.5
Aluminum	0.41	0.75	40	41.5

Property	Method	Requirement	IB PVC GR 60
Overall thickness of PVC sheet, min. mm (in.):	ASTM D638	1.14 (0.045)	1.5 (0.060)
Thickness over the scrim, min. (in.):	ASTM D638	0.40 (0.016) ^A	0.76 (0.030)
Tensile strength at break, min. MPa (psi):	ASTM D638		
Machine Direction		10.3 (1500)	10.6 (1537)
Cross-machine direction		10.4 (1500)	10.5 (1523)
Elongation at the break, min. %:	ASTM D638		
Machine direction		250	250
Cross-machine direction		220	220
Seam Strength, min. %:	ASTM D638	75	Pass
Retention of properties after heat aging:	ASTM D3045		
Tensile strength, min. % of original	ASTM D638	90	Pass
Elongation, min. % of original	ASTM D638	90	Pass
Tear Resistance, min. N (lbf):	ASTM D1004	45.0 (10)	71.0 (16)
Low temperature bend:	ASTM D2136	Pass	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		No Cracking or	Pass, 5,000 hrs
Crazing (7x magnification)		Crazing	Pass, 5,000 hrs
Discoloration			Negligible
Linear dimension change, max%:	ASTM D1204	0.1	-0.03
Change in weight after immersion in water, max %:	ASTM D570	+/- 3.0	<+/- 3.0
Static puncture resistance:	ASTM D5602	Pass	Pass
Dynamic puncture resistance:	ASTM D5635	Pass	Pass

A: Above the cross points of any fabric or fiber and the surface exposed to the weather.