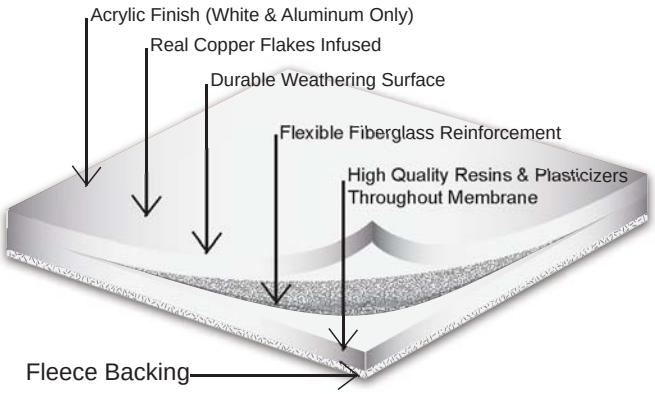
Technical Data Sheet

IB PVC GR FB 60

Product Description:

IB PVC GR-60FB is a high quality fiberglass reinforced single ply membrane designed for fully adhered systems. The fiberglass reinforcement provides strength, fire resistance and dimensionally stability along with a strong 200 g/m2 non-woven polyester fleece on the bottom surface. IB PVC GR-60FB is 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 for PVC membranes.



Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
5' x 70'	350 sq. ft. / 146 lbs.

Features:

- Coverage: 350 sq. ft.
- Weatherproof and UV Resistance
- Acrylic Finish
- Durable Heavy Fleece-Backing
- Dimensional Stability
- Flexibility at Low Temperatures
- Resistant to Puncturing

Use:

IB PVC GR-60FB can be installed over a properly prepared substrate (insulation, cover board or other pre-approved materials) with IB Water Borne or approved IB adhesive. 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.

Warranties:

IB PVC GR FB 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 D751	1.14 (0.045)	1.5 (0.060)[A]
Thickness over the scrim, min. (in.):	ASTM D751	0.40 (0.016)[B]	0.76 (0.030)
Breaking Strength, min, kN/m (lbf/in.)	ASTM D751	35 (200)	60 (346)
Elongation at the break, min. %:	ASTM D751		
Machine direction		15	76
Cross-machine direction		15	94
Seam Strength, min. %:	ASTM D751	75	Pass
Retention of properties after heat aging:	ASTM D3045		
Breaking strength, min. %	ASTM D751	90	Pass
Elongation, min. % of original	ASTM D751	90	Pass
Low temperature bend:	ASTM D2136	Pass	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		No Cracking or Crazing	Pass, 5,000 hrs
Crazing (7x magnification)			Pass, 5,000 hrs
Discoloration			Negligible
Linear dimension change, max%:	ASTM D1204	0.1	-0.03
Static puncture resistance:	ASTM D5602	Pass	Pass
Dynamic puncture resistance:	ASTM D5635	Pass	Pass

A: The fleece backing on the membrane adds an additional 20 Mils (0.020) to the overall thickness
B: Above the cross points of any fabric or fiber and the surface exposed to the weather
C: For Type II, Grade 1 products, dynamic puncture shall be evaluated at an energy level of 10 J min. For Type II, Grade 2 or Type III products, dynamic puncture shall be evaluated at an energy level of 20 J min.