Technical Data Sheet

IB® PVC Single-Ply 60

IB Roof Systems®

Product Description:

IB PVC Single-Ply 60 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 60 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

Size	Sq. Ft.	Weight per roll (approx.)
6' x 90'	540 sq. ft.	217 lbs.
3' x 90'	270 sq. ft.	109 lbs.

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 IB PVC can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 28-mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White, Cool Sand, & Cool Stone)

Use:

IB PVC Single-Ply 60 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roofs to wall transitions. It can be mechanically attached, induction welded, or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

IB PVC Single-Ply 60 Warranty options when installed by IB Authorized Applicators subject to IB Roof Systems specifications and warranty requirements:

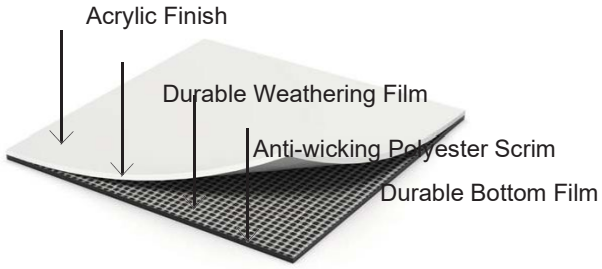
- Lifetime Residential Limited Material Warranty
- 20 Year Residential Limited Material Warranty
- 20-25 Year Commercial Limited Material Warranty
- 20 Year Warranty Plus Labor & Material Warranty
- 10-25 Year Total Systems Warranty

Available Colors:

White, Cool Sand, Cool Stone, Gray, Tan, and Bronze

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (FM 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**	**SRI 3-Year Aged**	**LRV**
White	0.87	0.88	110	91	94.3
Cool Sand	0.77	0.89	95	78	69.7
Cool Stone	0.77	0.87	95	75*	NA
Gray	0.16	0.88	13	NA	18.1
Tan	0.36	0.89	39	34	30.2
Bronze	NA	NA	NA	NA	NA

*CRRC Rapid Rating

Property	ASTM Method	Requirement	60 Mil
Overall thickness, PVC sheet, min. (in.)	D751	0.045	0.060
Breaking strength, min. (lbf/in)	D751	200 X 200	371 x 308
Elongation at the break, min. %	D751	15[A]X15[A]	34 x 29
Retention of properties after heat aging (min. % of original): Breaking strength Elongation	D3045 D751 D751	 90 90	 Pass Pass
Tearing strength, min. (lbf)	D751	45.0	58 x 72
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	-0.30 MD 0.02 XMD
Change in weight after immersion in water, %	D570	+/- 3.0	1.0
Static puncture resistance	D5602	Pass	Pass
Dynamic puncture resistance	5635	Pass	Pass
[A]For reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD			
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-15.			

Recycle Content	
Pre-Consumer	20%