## **Technical Data Sheet**

# IB® PVC Single-Ply FB-60

# IB Roof Systems®

#### **Product Description:**

IB PVC Single-Ply FB-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. The underside of the membrane has a tough polyester fleece backing compatible with both adhered and mechanically fastened applications.

# Packaging:

Size	Sq. Ft.	Weight per roll	
6' x 90'	540 sq. ft.	<b>(approx.)</b> 234 lbs.	

### **Features:**

- Premium calendrer-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<sup>™</sup> and California Title 24 requirements for Solar Reflectance and Emissivity (White)
- 3.5 oz fleece backing for enhanced performance

#### Use:

IB PVC Single-Ply FB-60 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 mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

#### Warranties:

IB PVC Single-Ply FB-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

#### **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: <a href="https://www.ibroof.com">www.ibroof.com</a>.



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	

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	400 x 338
Elongation at the break, min. %	D751	15 <sup>A</sup> X15 <sup>A</sup>	35 x 34
Retention of properties after heat aging (min. % of original): Breaking strength	D3045		
Elongation	D751	90	Pass
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Tearing strength, min. (lbf)	D751	45.0	70 x 90
Low temperature bend	D2136	-40F	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 0.10 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

Recycle Content				
Pre-Consumer	20%			

The table presents typical properties of IB PVC membranes. Requirements are taken

from ASTM D4434-15.