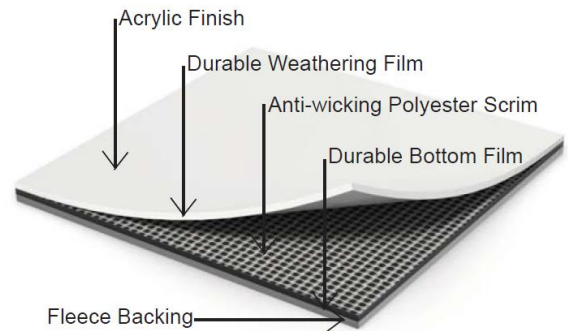


Technical Data Sheet

IB Roof Systems® IB® PVC ChemGuard™ Single Ply FB 60

Product Description:

IB PVC ChemGuard™ Single Ply FB 60 is a polyester scrim reinforced, compounded PVC resin-based sheet with DuPont® Elvaloy® KEE, 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 (approx.)
6' x 90'	540 sq. ft.	234 lbs.

Features:

- Premium calendrer-film laminated, CPA compounded, and manufactured
- Meets and/or exceeds ASTM D 4434-15, Type III Thermoplastic Membrane
- Excellent flexibility in all climates
- ChemGuard™ is a specially designed chemical resistant membrane that was developed for industrial and restaurant applications
- Highly reflective. Helps to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 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)
- 3.5 oz fleece backing for enhanced performance

Use:

IB PVC ChemGuard™ 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 adhered or mechanically attached to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

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

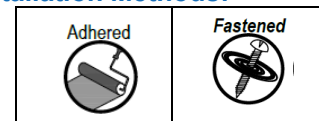
- Lifetime Residential Limited Material Warranty
- 20 Year Residential Limited Material Warranty
- 15-25 Year Commercial Limited Material Warranty
- 20 Year Warranty Plus Labor & Material Warranty
- 10-25 Year Total Systems Warranty

Approvals:



IB PVC membranes are listed with various component assemblies at Florida Building Code (FBC), FM Approvals (FM), ICC-ES, Miami Dade County, Texas Dept of Insurance (TDI), and Underwriters Laboratories (UL) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.

System Installation Methods:



Energy & Green Benefits

Standard	Color	Type	Solar Reflectance	Thermal Emittance
CRRC	White 0640-0017	Initial	0.87	0.88
		Aged 3-Yr	0.74	0.87
Title 24	White 0640-0017	Aged 3 Yr SRI	91	
LEED (SRI)	White 0640-0017	Initial	109	
		Aged 3-Yr	91	

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

Physical Properties

Property	ASTM Method	Requirement	60 Mil
Overall thickness, PVC sheet, mil. (in.)	D751	0.045	0.060
Thickness over scrim	D7635	0.016	Pass
Breaking strength, min. (lbf. / in)	D751	200 x 200	437 x 355
Elongation at the break, min. %	D751	15 x 15	28 x 28
Seam Strength, % breaking strength	D751	≥ 75	Pass
Retention of properties after heat aging (min. % of original):	D3045		
Breaking strength	D751	90	Pass
Elongation	D751	90	Pass
Tear strength, min. (lbf.)	D751	45.0	Pass
Low temperature bend	D2136	-40°F	Pass
Accelerated weathering test:	G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max %	D1204	+/- 0.5	Pass
Change in weight after immersion in water, %	D570	+/- 3.0	Pass
Static puncture resistance	D5602	Pass	Pass
Dynamic puncture resistance	D5635	Pass	Pass

The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-15.

Recycle Content

Post Consumer	0%
Post Industrial	20% (Average)

Approvals:

IB PVC ChemGuard™ 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.

Application:

Install the IB PVC ChemGuard™ 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.

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.

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

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