

STOCK NO.0920004
APR, 2025

Protectobase 180 Film (3.0mm Base)

Protectobase 180 Film (3.0mm Base) is a composite of IKO Protectoboard, a mineral fortified asphalt core board that is factory laminated to an SBS modified bitumen base sheet. The bottom surface of the product is our standard Protectoboard finish and the top surface is available in a light micro-perforated film which permits heat fusing of an IKO SBS modified bitumen cap sheet. The high compressive strength of the protectoboard along with the factory application of the base sheet ensures a fast and reliable method of installing the overlay board and the waterproofing base layer in one step. This product meets the requirements of CSA A123.23 Type B Grade 3.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TEST PERFORMANCE
Sheet per Pallet:	-	-	-	65
Pallet Size:	cm (in)	-	-	104 x 244 (41 x 96)
Board Length:	m (ft)	-	-	2.4 (8)
Board Width:	mm (in)	-	-	915 (36)
Area:	m ² (ft ²)	-	-	2.23 (24)
Total Thickness:	mm (in)	-	-	7.8 (0.31)
Membrane Thickness:	mm (mils)	-	-	3.0 (118)
Selvage Width:	mm (in)	-	-	90 (3.5)
MEMBRANE DATA (MP-180-FS BASE 3.0mm)				
Mass Per Unit Area	kg/m ² (lb/100ft ²)	CSA A123.23	ASTM D5147	3.29 (67.3)
Strain Energy, @ 23 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.1/18.1 (12.6/10.7)
After heat conditioning				17.4/8.41 (11.9/9.76)
Strain Energy, @ -18 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	18.4/10.2 (9.59/11.1)
After heat conditioning				20.9/16.4 (9.65/9.45)
Peak Load, @ 23 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	12.7/9.09 (96.4/77.6)
After heat conditioning				16.1/10.8 (87.5/49.5)
Peak Load, @ -18 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	18.9/17.3 (128/77.3)
After heat conditioning				25.0/20.8 (108/89.0)
Elongation @ Peak Load @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	96.4/77.6
After heat conditioning				5.33/39.3
Elongation @ Peak Load @ -18 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	30.0/44.5
After heat conditioning				6.50/13.5
Ultimate Elongation @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	45.5/58.4
After heat conditioning				46.4/40.2
Low Temperature Flexibility MD/XD:				
Before heat conditioning	°C (°F)	CSA A123.23	ASTM D5147	-18/-18
After heat conditioning				-18/-18
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	-0.06/-0.35
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

IKO's products adhere to the industry standards of the jurisdiction in which they are sold by IKO. Numerical testing scores listed herein, if any, relate only to the samples tested and the standards & procedures listed herein. IKO does not guarantee that every IKO product will, upon similar testing, reveal an identical score to those set forth herein. IKO does not accept responsibility for any matters arising or consequences from the use of numerical testing scores