TECHNICAL DATA SHEET

STOCK NO. 0920002 **JUN, 2023**

Protectobase 180

Protectobase 180 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	TYPICAL TEST PERFORMANCE
Sheets 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)	-	-	7.0 (0.28)
Membrane Thickness:	mm (mils)	-	-	2.2 (87)
Selvage Width:	mm (in)	-	-	90 (3.5)
MEMBRANE DATA (MP-180-FS-BASE)				
Mass Per Unit Area:	kg/m^2 (lb/100ft^2)	CSA A123.23	ASTM D5147	3.36 (68.8)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	14.6/10.9 (83.4/62.2) 13.7/16.0 (78.2/91.4)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	11.5/9.99 (65.7/57.0) 11.1/11.5 (63.4/65.7)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	11.5/9.99 (65.7/57.0) 11.1/11.5 (63.4/65.7)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	23.1/14.5 (132/82.7) 21.5/15.1 (123/86.1)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	29.0/37.7 7.33/48.7
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	11.5/38.0 7.50/40.0
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	35.6/47.4 29.6/52.5
Low Temperature Flexibility MD/XD: Before heat conditioning After heat conditioning	°C	CSA A12.23	ASTM D5147	-18/-18 -18/-18
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	-0.15/-0.08
Compound Stability:	°C	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass