TECHNICAL DATA SHEET

STOCK NO.0920003 **MAY, 2023**

PROTECTOBASE 180 SANDED

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 base sheet is constructed with a tough non-woven reinforced polyester mat strengthened with select glass fiber strands and a sanded top. This version allows application via mopping or an IKO approved cold process adhesive. 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
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)	-	-	7.0 (0.28)
Membrane Thickness:	mm (mils)	-	-	2.2 (87)
Selvage Width:	mm (in)	-	-	90 (3.5)
MEMBRANE DATA (MP-180-SS-BASE)				
Mass Per Unit Area	g/m^2 (lb/ft^2)	CSA A123.23	ASTM D5147	2802 (0.574)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	 17.5/15.5 (99.9/88.5) 10.8/11.2 (61.7/64.0)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	 10.9/9.00 (62.2/51.4) 10.8/5.67 (61.7/32.4)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	 19.6/11.4 (112/65.1) 10.9/8.44 (62.2/48.2)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	 19.6/11.3 (112/64.4) 18.0/8.58 (103/49.0)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	 40.67/60.3 40.3/51.7
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	 6.50/47.5 35.0/39.0
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	 41.5/62.1 49.4/60.7
Low Temperature Flexibility:	°C (°F)	CSA A123.23	ASTM D5147	-18
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	-0.13/-0.45
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass