

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
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-SS-BASE)				
Mass Per Unit Area:	kg/m ² (lb/100ft ²)	CSA A123.23	ASTM D5147	2.80 (57.4)
Strain Energy, @ 23 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	17.5/15.5 (99.9/88.5)
After heat conditioning				10.8/11.2 (61.7/64.0)
Strain Energy, @ -18 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	10.9/9.00 (62.2/51.4)
After heat conditioning				10.8/5.67 (61.7/32.4)
Peak Load, @ 23 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.6/11.4 (112/65.1)
After heat conditioning				10.9/8.44 (62.2/48.2)
Peak Load, @ -18 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.6/11.3 (112/64.4)
After heat conditioning				18.0/8.58 (103/49.0)
Elongation @ Peak Load @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	40.67/60.3
After heat conditioning				40.3/51.7
Elongation @ Peak Load @ -18 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	6.50/47.5
After heat conditioning				35.0/39.0
Ultimate Elongation @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	41.5/62.1
After heat conditioning				49.4/60.7
Low Temperature Flexibility MD/XD:				
Before heat conditioning	°C	CSA A12.23	ASTM D5147	-18/-18
After heat conditioning				-18/-18
Dimensional Stability MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	-0.13/-0.45
After heat conditioning				
Compound Stability:	°C	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

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