

## Shieldbase 180 Sanded

IKO ShieldBase 180 Laminated Cover Boards are a composite of IKOTherm CoverShield polyiso insulation that is factory laminated to a 180-weight polyester reinforced 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. 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 <sup>2</sup> (ft <sup>2</sup> )	-	-	2.23 (24)
Total Thickness:	mm (in)	-	-	12.7 (0.50)
Membrane Thickness:	mm (mils)	-	-	2.2 (87)
Selvage Width:	mm (in)	-	-	90 (3.5)
<b>MEMBRANE DATA (MP-180-SS-BASE)</b>				
Mass Per Unit Area:	kg/m <sup>2</sup> (lb/100ft <sup>2</sup> )	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:	%	CSA A123.23	ASTM D5147	-0.13/-0.45
Compound Stability:	°C	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

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