



# IKO TECHNICAL DATA SHEET

STOCK NO. 7920000

DEC, 2023

## Armourbond 180

Armourbond 180 incorporates a tough non-woven reinforced polyester mat strengthened with select glass fiber strands. The mat is coated top and bottom with select SBS polymers and premium asphalt to a thickness of approximately 3.0 mm (118 mil). Armourbond 180 provides an excellent base for the application of a heat-welded cap sheet, or it may be used when a tough, thick base sheet is needed to adhere to flame-sensitive substrates. This product meets the requirements of CSA A123.23 Type B Grade 3.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TYPICAL TEST PERFORMANCE
Rolls per Pallet:	-	-	-	35
Length:	m (ft)	-	-	10 (32.8)
Width:	mm (in)	-	-	1005 (39.6)
Thickness:	mm (mils)	-	-	3.0 (118)
Selvage Width:	mm (in)	-	-	90 (3.5)
Selvage Thickness:	mm (mils)	CSA A123.23	ASTM D5147	2.89 (114)
Mass Per Unit Area:	kg/m <sup>2</sup> (lb/100ft <sup>2</sup> )	CSA A123.23	ASTM D5147	3.39 (69.4)
Back Surface Coating Thickness:	mm (mils)	CSA A123.23	ASTM D5147	2.18 (85.8)
Strain Energy, @ 23 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.0/13.1 (108/74.8)
After heat conditioning				22.0/14.8 (126/84.5)
Strain Energy, @ -18 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	8.20/7.82 (46.8/44.7)
After heat conditioning				12.5/10.2 (71.4/58.2)
Peak Load, @ 23 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	15.4/10.7 (87.8/61.2)
After heat conditioning				13.2/10.9 (75.3/62.1)
Peak Load, @ -18 °C MD/XD:				
Before heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	16.8/14.3 (95.7/81.6)
After heat conditioning				18.6/12.1 (106/69.0)
Elongation @ Peak Load @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	49.3/54.3
After heat conditioning				21.3/54.3
Elongation @ Peak Load @ -18 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	39.5/55.8
After heat conditioning				16.0/34.0
Ultimate Elongation @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	67.2/55.6
After heat conditioning				68.4/71.1
Low Temperature Flexibility MD/XD:				
Before heat conditioning	°C	CSA A123.23	ASTM D5147	-18/-18
After heat conditioning				-18/-18
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	0.02/-0.41
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

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