TECHNICAL DATA SHEET

STOCK NO. 7730091 **DEC, 2023**

Modiflex MP-180-FS-Base (3.0mm)

Modiflex MP-180-FS-Base (3.0mm) is constructed using a tough non-woven reinforced polyester mat strengthened with select glass fiber strands. Modiflex MP-180-FS-Base is an excellent choice as the “lay flat” base sheet in a layered membrane construction system. This base sheet is coated top and bottom with select SBS polymers and premium asphalt. The top surface is covered with a thin micro-perforated film, which disappears upon heat welding, while the underside is sanded to allow installation via mopping asphalt or an IKO-approved cold process adhesive. This product meets the requirements of CSA A123.23 Type A Grade 3.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TYPICAL TEST PERFORMANCE
Rolls per Pallet:	-	-	-	32
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	2.65 (104)
Mass Per Unit Area:	kg/m^2 (lb/100ft^2)	CSA A123.23	ASTM D5147	3.29 (67.3)
Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	19.1/18.1 (12.6/10.7) 17.4/8.41(11.9/9.76)
Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	18.4/10.2 (9.59/11.1) 20.9/16.4 (9.65/9.45)
Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	12.7/9.09 (96.4/77.6) 16.1/10.8 (87.5/49.5)
Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning	kN/m (lbf/in)	CSA A123.23	ASTM D5147	18.9/17.3(128/77.3) 25.0/20.8 (108/89.0)
Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	96.4/77.6 5.33/39.3
Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	30.0/44.5 6.50/13.5
Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning	%	CSA A123.23	ASTM D5147	45.5/58.4 46.4/40.2
Low Temperature Flexibility MD/XD: Before heat conditioning After heat conditioning	°C	CSA A123.23	ASTM D5147	-18/-18 -18/-18
Dimensional Stability MD/XD:	%	CSA A123.23	ASTM D5147	-0.06/-0.35
Compound Stability:	°C (°F)	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass