



# IKO TECHNICAL DATA SHEET

STOCK NO. 7740001

DEC, 2023

## Modiflex MP-180-SS-Base

Modiflex MP-180-SS-Base is constructed using a tough non-woven reinforced polyester mat strengthened with select glass fiber strands. Modiflex MP-180-SS-Base is coated top and bottom with select SBS polymers and premium asphalt. Both sides of the product are sand covered to allow installation on heat-sensitive substrates via mopping asphalt or an IKO-approved cold process adhesive. Modiflex MP-180-SS-Base is an excellent choice as the "lay flat" base sheet in a layered membrane construction system. This product meets the requirements of CSA A123.23 Type B Grade 3.

CHARACTERISTICS	UNITS	SPECIFICATION	TEST METHOD	TYPICAL TEST PERFORMANCE
Rolls per Pallet:	-	-	-	30
Length:	m (ft)	-	-	15 (49)
Width:	mm (in)	-	-	1005 (39.6)
Thickness:	mm (mils)	-	-	2.5 (98)
Selvage Width:	mm (in)	-	-	90 (3.5)
Selvage Thickness:	mm (mils)	CSA A123.23	ASTM D5147	2.23 (87.8)
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	17.5/15.6 (99.9/89.1)
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 (112/64.5)
After heat conditioning				18.0/49.0 (103/49.0)
Elongation @ Peak Load @ 23 °C MD/XD:				
Before heat conditioning	%	CSA A123.23	ASTM D5147	40.7/60.3
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 A123.23	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 (°F)	CSA A123.23	ASTM D5147	102
Resistance to puncture:	-	CSA A123.23	CSA A123.23	Pass

IKO's products adhere to the industry standards of the jurisdiction in which they are sold by IKO. Numerical testing scores listed herein, if any, relate only to the samples tested and the standards & procedures listed herein. IKO does not guarantee that every IKO product will, upon similar testing, reveal an identical score to those set forth herein. IKO does not accept responsibility for any matters arising or consequences from the use of numerical testing scores.