



IKO TECHNICAL DATA SHEET

STOCK NO. 7750000

DEC, 2023

Torchflex TF-95-FF-Base

Torchflex TF-95-FF-Base is constructed using an inorganic reinforcing mat of high strength non-woven glass fibers coated top and bottom with SBS polymers and premium asphalt. Torchflex TF-95-FF-Base can be used as the “lay-flat” base sheet in a layered membrane construction system. Both surfaces of the product are covered with a thin micro-perforated film. The top film will melt during application of the heat-welded cap sheet, while the bottom disappears upon heat welding to the substrate. 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) |
| Width: | mm (in) | - | - | 1000 (39.4) |
| Thickness: | mm (mils) | - | - | 3.0 (118) |
| Selvage Width: | mm (in) | - | - | 90 (3.5) |
| Selvage Thickness: | mm (mils) | CSA A123.23 | ASTM D5147 | 2.77 (109) |
| Mass Per Unit Area: | kg/m ² (lb/100ft ²) | CSA A123.23 | ASTM D5147 | 4.65 (95.3) |
| Back Surface Coating Thickness: | mm (mils) | CSA A123.23 | ASTM D5147 | 1.81 (71.3) |
| Strain Energy, @ 23 °C MD/XD: Before heat conditioning After heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 22.3/20.2 (127/115) 1.46/1.51 (8.34/8.62) |
| Strain Energy, @ -18 °C MD/XD: Before heat conditioning After heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 2.35/2.18 (13.4/12.4) 1.74/1.70 (9.94/9.71) |
| Peak Load, @ 23 °C MD/XD: Before heat conditioning After heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 12.1/9.12 (69.2/52.0) 12.0/9.95 (68.6/56.8) |
| Peak Load, @ -18 °C MD/XD: Before heat conditioning After heat conditioning | kN/m (lbf/in) | CSA A123.23 | ASTM D5147 | 17.3/15.1 (99.0/86.3) 18.2/14.3 (104/81.4) |
| Elongation @ Peak Load @ 23 °C MD/XD: Before heat conditioning After heat conditioning | % | CSA A123.23 | ASTM D5147 | 5.00/4.33 4.00/4.33 |
| Elongation @ Peak Load @ -18 °C MD/XD: Before heat conditioning After heat conditioning | % | CSA A123.23 | ASTM D5147 | 6.00/5.50 5.50/5.50 |
| Ultimate Elongation @ 23 °C MD/XD: Before heat conditioning After heat conditioning | % | CSA A123.23 | ASTM D5147 | 52.0/53.3 10.7/14.3 |
| Low Temperature Flexibility @ -18 °C 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 | -0.20/0.00 |
| Compound Stability: | °C (°F) | CSA A123.23 | ASTM D5147 | 91 |

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