



**STOCK NO. 7730090**

**JULY, 2016**

**MODIFLEX MP-180-FS-BASE**

Modiflex MP-180-FS-Base is constructed using a reinforcing mat of durable non-woven reinforced polyester, which is coated and impregnated with SBS modified bitumen. The surface is covered with a thin poly-film, which disappears upon heat welding, while the underside is sanded to allow installation via mopping asphalt or an IKO-approved cold process adhesive. Modiflex MP-180-FS-Base can be used as the "lay-flat" base sheet in a layered membrane construction system. This product will easily satisfy the requirements of CGSB-37.56-M for Class P, Type 2, and Grade 2 materials as well as the requirements of ASTM D6164 for Type I, Grade S materials. IKO's products are produced and designed with consideration for environmental responsibility and sustainability, incorporating quality recycled components whenever possible, manufactured in facilities that comply with the most stringent government environmental regulations, and can therefore be a part of any "green" construction project.

| CHARACTERISTIC                  | UNITS                             | NOMINAL VALUE          | SPECIFICATION | TEST METHOD** | STANDARD LIMITS |
|---------------------------------|-----------------------------------|------------------------|---------------|---------------|-----------------|
| <b>ROLLS PER PALLET:</b>        | -                                 | 32                     | -             | -             | -               |
| <b>PALLET SIZE:</b>             | in                                | 132 x 112<br>(52 x 44) | -             | -             | -               |
| <b>LENGTH:</b>                  | m (ft)                            | 15 (49)                | -             | -             | ± 1%            |
| <b>WIDTH:</b>                   | mm (in)                           | 1005 (39.6)            | -             | -             | ± 6 (1/4)       |
| <b>WEIGHT:</b>                  | kgs (lbs)                         | 39.7 (87.5)            | -             | -             | -               |
| <b>AREA:</b>                    | m <sup>2</sup> (ft <sup>2</sup> ) | 15 (162)               | -             | -             | -               |
| <b>THICKNESS:</b>               | mm (mils)                         | 2.2 (87)               | -             | -             | ± 0.4 (16)      |
| <b>LINES:</b>                   | mm (in)                           | 90 (3.5)<br>505 (19.9) | -             | -             | ± 5 (1/4)       |
| <b>COLD FLEX:</b>               | °C (°F)                           | -30 (-22)              | ASTM D6164    | ASTM D5147    | MIN: -18 (0)    |
| <b>STRAIN ENERGY @ 23°C</b>     | <b>MD:</b><br><b>XD:</b>          | 8.1<br>8.8             | CGSB-37.56-M  | CGSB-37.56-M  | MIN: 5.5*       |
| <b>TENSILE STRENGTH</b>         | <b>MD:</b><br><b>XD:</b>          | 16 (91)<br>13 (74)     | ASTM D6164    | ASTM D5147    | MIN: 8.8 (50)   |
| <b>ULTIMATE ELONGATION</b>      | <b>MD:</b><br><b>XD:</b>          | 60<br>70               | ASTM D6164    | ASTM D5147    | MIN: 35         |
| <b>TEAR STRENGTH</b>            | <b>MD:</b><br><b>XD:</b>          | 74 (17)<br>81 (18)     | CGSB-37.56-M  | CGSB-37.56-M  | MIN: 20 (4.5)*  |
| <b>TENSILE-TEAR</b>             | <b>MD:</b><br><b>XD:</b>          | 377 (85)<br>511 (115)  | ASTM D6164    | ASTM D5147    | MIN: 246 (55)   |
| <b>LAP STRENGTH (5D @ 23°C)</b> | <b>MD:</b><br><b>XD:</b>          | 23 (131)<br>23 (131)   | CGSB-37.56-M  | CGSB-37.56-M  | MIN: 4 (23)*    |
| <b>STATIC PUNCTURE:</b>         | N (lbf)                           | >300 (67)              | CGSB-37.56-M  | CGSB-37.56-M  | ≥ 150 (34)*     |

\* CGSB-37.56-M revision, 9th draft, dated January 1997.

\*\* Although both ASTM and CGSB may have requirements for a particular test, only the more stringent is indicated.