

RhinoMat 750 Specification

30 Mil (0.76mm) Geomembrane with Surfex Technology

| Product data | RhinoMat 750 | | | |
|--|---|---------------|-----------|-----------------------|
| Composition: Top layer Coater layer : Top and Bottom Mid layer | Surfex™-Polyolefin Blend Black LLDPE / LDPE High strength HDPE woven core | | | |
| Colour | Black | | | |
| Technical data | Unit | Value | Tolerance | Test method |
| Length | m | 25 / 457 | | EN 1848-2 |
| Width | m | 1.8 / 3.66 | | ASTM D751 |
| Thickness | mm | 0.91 - 1.02 | | ASTM D751 |
| Weight (min ave.) | g/m ² | 712 | | ASTM D751 |
| Strip Tensile strength (min ave.) | N | 1348 | | ASTM D7003 |
| Strip Tensile Elongation (min ave.) | % | 21 | | ASTM D7003 |
| Trapezoidal Tear MD/CD (Typ) | N | 294 / 294 | | ASTM D4533 |
| CBR Puncture (min ave) | N | 6388 | | ASTM D6241 |
| Index Pin Puncture-resistance (min ave.) | N | 1076 | | ASTM D4833 |
| Hydrostatic Resistance(min ave) | kPa | 3421 | | ASTM D751 |
| Dimensional Stability (%Change ,Max) | % | 0.9 | | ASTM D1204 |
| Water Vapour transmission (max ave.) | g/m ² –day | <0.4 | Pass | ASTM E96 |
| UV Resistance | | | | ASTM D7238 ASTM D7003 |
| Strength and Elongation retained after 10,000 light hours | % | > 50 retained | Pass | ASTM D7003 |
| Response to bending | | No Cracking | Pass | GRI –GM16 |

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