

## SABIT PLASTO-SPP

### INTRODUCTION

**SABIT PLASTO-SPP** is the polymer modified bituminous waterproofing membrane, consisting of a central non-woven polyester core, impregnated and coated on both sides with layers of APP (Atactic Polypropylene Polymer) modified bitumen and finished with heat fusible polyethylene film on both surfaces.

### TECHNICAL DATA

| 1  | Properties  | Typical Result |         |         | Test Method       | Tolerance | Method     |
|----|---|----------------|---------|---------|-------------------|-----------|------------|
|    |   | 10             | 10      | 10      |                   |           |            |
| 1  | Roll size, m  | 10             | 10      | 10      | ASTM D 5147       | ≥         | EN 1848-1  |
| 2  | Thickness, mm   | 4 or 5         | 4 or 5  | 4 or 5  | ASTM D 5147       | ±5%       | EN 1849-1  |
| 3  | Unit Weight ( Plain ), kg/m <sup>2</sup>                              | 4 or 5         | 4 or 5  | 4 or 5  | ASTM D 5147       | ±10%      | EN 1849-1  |
| 4  | Carrier Polyester, g/m <sup>2</sup>                                   | 160            | 180     | 200     | UEAtc, M.O.A.T.30 |           |            |
| 5  | Softening Point ( °C )  | >150           | >150    | >150    | ASTM D 36         |           |            |
| 6  | Penetration at 25°C, dmm  | 15-30          | 15-30   | 15-30   | ASTM D 5          |           |            |
| 7  | Cold Flexibility - °C   | 0 to -2        | 0 to -2 | 0 to -2 | ASTM D 5147       |           |            |
| 8  | Tensile Strength 23+/-2 °C<br>(N/5cm), Longitudinal,<br>Transverse    | 600            | 750     | 800     | ASTM D 5147       | ±20 %     | EN 12311-1 |
|    |   | 550            | 550     | 650     |                   |           |            |
| 8  | Tensile Strength 23+/-2<br>°C (KN/m),<br>Longitudinal,<br>Transverse  | 12             | 15      | 16      | ASTM D 5147       | ±20 %     | EN 12311-1 |
|    |   | 11             | 11      | 13      |                   |           |            |
| 9  | Tensile Strength -18+/-2<br>°C (KN/m),<br>Longitudinal,<br>Transverse | 10.5           | 10.5    | 10.5    | ASTM D 5147       | ±20 %     | EN 12311-1 |
|    |   |                |         |         |                   |           |            |
| 10 | Elongation,%23+/-2 °C<br>Longitudinal,<br>Transverse                  | 40             | 40      | 40      | ASTM D 5147       | ±15 %     | EN 12311-1 |
|    |   | 40             | 40      | 50      |                   |           |            |
| 11 | Elongation,% -18+/-2 °C<br>Longitudinal,<br>Transverse                | 10             | 10      | 10      | ASTM D 5147       | ±15 %     | EN 12311-1 |
|    |   |                |         |         |                   |           |            |
| 12 | Tear Strength ( N )<br>Longitudinal,<br>Transverse                    | 400            | 500     | 600     | ASTM D 4073       |           |            |
|    |   | 320            | 350     | 400     |                   |           |            |
| 13 | Lap joint Strength( N )<br>Longitudinal,<br>Transverse                | 500            | 750     | 800     | ASTM D 5147       |           |            |
|    |   | 450            | 500     | 650     |                   |           |            |
| 14 | Heat Resistance at 110 °C   | No Flow        |         |         | ASTM D 5147       |           |            |
| 15 | Puncture resistance @ N   | 600            |         |         | ASTM E 154        |           |            |
| 16 | Resistance of water<br>pressure                                       | No Leakage     |         |         | DIN 52123         |           |            |
| 17 | Water Absorption, %   | <0.15          |         |         | ASTM D 5147       |           |            |
| 18 | Compound stability, °C minimum  | 1              |         |         | ASTM D 6222       |           |            |
| 19 | Moisture Content, %<br>maximum  | 1              |         |         | ASTM D 6222       |           |            |
| 20 | Low temperature unrolling,<br>° C, maximum                            | 5              |         |         | ASTM D 6222       |           |            |



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