

**Product Data Sheet**

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Sikaplan®-12G

# Sikaplan®-12G

## Polymeric sheet for roof waterproofing

**Product Description**

Sikaplan®-12G (1.2 mm) is a Polyester reinforced, multi-layer, synthetic roof waterproofing sheet based on premium-quality polyvinyl chloride (PVC).

**Uses**

Waterproofing membrane for:

- Mechanically fastened roofs

**Product Data**

|   |  |  |
|---|--|--|
| <b>Packaging</b>                                    | 2.0 x 20 m roll  |  |
| <b>Visible defects</b>                              | Pass   | EN 1850-2  |
| <b>Length</b>                                       | 20.00 (-0 / +5%) m   | EN 1848-2  |
| <b>Width</b>  | 1.54 / 2.00 (-0.5 / +1%) m   | EN 1848-2  |
| <b>Straightness</b>                                 | ≤ 30 mm  | EN 1848-2  |
| <b>Flatness</b>                                     | ≤ 10 mm  | EN 1848-2  |
| <b>Effective thickness</b>                          | 1.20 (-5 / +10 %) mm   | EN 1849-2  |
| <b>Mass per unit area</b>                           | 1.50 (-5 / +10%) kg/m <sup>2</sup>   | EN 1849-2  |
| <b>Water tightness</b>                              | Pass   | EN 1928  |
| <b>Effects of liquid chemicals, including water</b> | On request   | EN 1847  |
| <b>External fire performance</b>                    |  | ENV 1187   |
| <b>Part 1-4</b>                                     | B <sub>ROOF</sub> (t1) < 20°, > 20°<br>B <sub>ROOF</sub> (t2)<br>B <sub>ROOF</sub> (t3) < 10°, < 70° | Classification after EN 13501-5                  |
| <b>Reaction to fire</b>                             | E  | EN ISO 11925-2 , classification after EN 13501-1 |
| <b>Hail resistance,</b>                             |  | EN 13583   |
| <b>rigid substrate</b>                              | ≥ 17 m/s   |  |
| <b>flexible substrate</b>                           | ≥ 25 m/s   |  |
| <b>Joint peel resistance</b>                        | ≥ 300 N/50 mm  | EN 12316-2                                       |
| <b>Joint shear resistance</b>                       | ≥ 600N/50 mm   | EN 12317-2                                       |
| <b>Water vapour transmission properties</b>         | μ= 20'000  | EN 1931  |



|                                       |                |            |
|---------------------------------------|----------------|------------|
| <b>Tensile strength,</b>              |                | EN 12311-2 |
| <b>longitudinal (MD)</b>              | ≥ 1000 N/50 mm |            |
| <b>transversal (CMD)</b>              | ≥ 900 N/50 mm  |            |
| <b>Elongation,</b>                    |                | EN 12311-2 |
| <b>longitudinal (MD)</b>              | ≥ 15 %         |            |
| <b>transversal (CMD)</b>              | ≥ 15 %         |            |
| <b>Resistance to impact,</b>          |                | EN 12691   |
| <b>hard substrate</b>                 | ≥ 300 mm       |            |
| <b>soft substrate</b>                 | ≥ 600 mm       |            |
| <b>Tear strength</b>                  |                | EN 12310-2 |
| <b>longitudinal (MD)</b>              | 150 N          |            |
| <b>transversal (CMD)</b>              | 150 N          |            |
| <b>Dimension stability,</b>           |                | EN 1107-2  |
| <b>longitudinal (MD)</b>              | ≤ 0.5%         |            |
| <b>transversal (CMD)</b>              | ≤ 0.5%         |            |
| <b>Foldability at low temperature</b> | ≤ -25°C        | EN 495-5   |
| <b>UV exposure</b>                    | Pass           | EN 1297    |

## Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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