

# Sikaplan® WP Floor Sheet -12H

(Mipoplast® Estichfolie 1.08mm)

Sheet damp-proofing membrane - wet room areas

<b>Product Description</b>	Sikaplan® WP Floor Sheet -12H is a homogenous sheet damp-proofing membrane based on recycled polyvinylchloride (PVC-P).	
<b>Uses</b>	<ul style="list-style-type: none"> <li>■ Damp-proofing of floors in wet rooms under flooring screed</li> </ul>	
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"> <li>■ High water vapour transmission ability</li> <li>■ High dimensional stability</li> <li>■ Heat and solvent weldable</li> <li>■ Suitable for installation over weak substrates (i.e. with a cohesive/pull-out strength &lt; 1.5 N/mm<sup>2</sup>)</li> <li>■ Can be installed on wet substrates</li> </ul>	
<b>Tests</b>		
<b>Approval / Standards</b>	Quality management system according to EN ISO 9001 / 14001	
<b>Product Data</b>		
<b>Form</b>		
<b>Appearance / Colours</b>	Rolled sheet membrane, homogenous. Surface: smooth Membrane thickness: 1.08 mm Colour: black 2909	
<b>Packaging</b>	Roll size: 2.00 m (roll width) x 20.00 m (roll length) Unit weight: 1.40 kg/m <sup>2</sup>	
<b>Storage</b>		
<b>Storage Conditions / Shelf-Life</b>	Rolls must be stored in their original package, in horizontal position and under cool and dry conditions. They must be protected against direct sunlight, rainwater, snow and ice etc. The product does not expire during correct storage.	
<b>Technical Data</b>		
<b>Product Declaration</b>		
<b>Visible Defects</b>	Pass	EN 1850 - 2
<b>Straightness</b>	≤ 75 mm / 10 m	EN 1850 - 2
<b>Mass per Unit Area</b>	1.40 (-5 / + 10%) kg/m <sup>2</sup>	EN 1849 - 2
<b>Thickness</b>	1.08 (-5 / + 10%) mm	EN 1849 - 2
<b>Water Tightness to Liquid Water</b>	Pass	EN 1928 B (24h / 2kPa)
<b>Resistance to Impact</b>	≥ 100 mm	EN 12691 : 2005
<b>Durability of Water Tightness against Ageing</b>	Pass	EN 1296 (12 weeks); EN 1928 (24h / 60kPa)
<b>Durability of Water Tightness against Chemicals</b>	Pass	EN 1847 (28 d / + 23° C); EN 1928 (24h / 60kPa)
<b>Accelerated Ageing in an Alkaline Environment, Tensile Strength</b>	Change of tensile strength after storage in alkaline environment: Pass	EN 12311 - 2 (appendix C: 24 weeks/90°C)
<b>Bitumen Compatibility</b>	No performance determined	EN 1548 (28 d / + 70° C); EN 1928 A

Construction



<b>Resistance to Tear (nail shank)</b>	≥ 100 N	EN 12310 - 1
<b>Joint Strength</b>	≥ 100 N / 50mm	EN 12317 - 2
<b>Tensile Strength, Machine Direction</b>	≥ 8 N / mm <sup>2</sup>	EN 12311 - 2
<b>Tensile Strength, Cross Direction</b>	≥ 8 N / mm <sup>2</sup>	EN 12311 - 2
<b>Elongation, Machine Direction</b>	≥ 200 N / mm <sup>2</sup>	EN 12311 - 2
<b>Elongation, Cross Direction</b>	≥ 200 N / mm <sup>2</sup>	EN 12311 - 2
<b>Water Vapour Transmission</b>	18000 μ (+ / - 5000)	EN 1931 (+ 23° C / 75% r. h)
<b>Reaction to Fire</b>	Class E	EN 13051 - 1

## System

### Information

**System Structure** Ancillary Products

### Application Details

**Substrate Quality** Suitable material:  
Concrete, mortar, galvanized steel, aluminium

Non suitable substrates:  
Impregnated woods, other plastics, than plasticised PVC.  
A separation layer in form of geotextile (non woven fabric) with min. density of 300 g/m<sup>2</sup> must be laid underneath membrane.

### Application Conditions / Limitations

**Substrate Temperature** 0°C min. / +35°C max.

**Ambient Air Temperature** +5°C min. / +35°C max.

**Ambient max. Temperature of Liquids** +30°C (water)

### Application Instructions

**Application Method / Tools** This product is suitable for factory welding only (i.e. heat with wedge, high frequency, cold welding with solvent) to provide the waterproofing of prefabricated membrane components.

Membrane installations and welding procedures according to production specifications for prefabricated components.

Cold welding of the membrane overlaps with Sikaplan® WP solvent welding agent is permitted within the normal application limits. All welded seam edges must be sealed with Sikaplan® WP Seam sealant (in same colour as membrane) afterwards.

**Notes on Application / Limitations** This product is not suitable for direct normal installation works on sites. Cold welding procedures are limited to ambient temperatures of not lower than +10°C and relative air humidities of not higher than 80%.

**Value Base** All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**Local Restrictions** Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

**Health and Safety Information** For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

**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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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 local Product Data Sheet for the product concerned, copies of which will be supplied on request.



**Sika Egypt for Construction Chemicals**  
El About City  
1<sup>st</sup> industrial zone (A)  
Section # 10 Block 13035,  
Egypt

Tel :+202- 4481 0580  
Fax :+202- 4481 0459  
Mob :+2012- 2390 8822/55  
www.sika.com.eg

