

Product Data Sheet  
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Sikaplan® WB 1110-20H translucent  
(Trocal® type T, 2.00 mm translucent)

## Sikaplan® WB 1110-20H translucent (Trocal® type T, 2.00 mm translucent)

Translucent homogeneous PVC sheet waterproofing membrane

<b>Product Description</b>	Sikaplan® WB 1110-20H translucent is a homogeneous plasticized PVC sheet waterproofing membrane.
<b>Uses</b>	<ul style="list-style-type: none"> <li>■ Waterproofing of all kinds of below ground structures against ground water penetration and attack</li> </ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"> <li>■ High resistance to ageing</li> <li>■ High tensile strength and elongation</li> <li>■ Not UV-stabilised (resistant to UV-light during installation on site)</li> <li>■ Resistant to root penetration and microbiological attack</li> <li>■ Resistant to aggressive natural salts, acids and alkalis in ground water</li> <li>■ High water vapour transmission ability</li> <li>■ High resistance to mechanical damage and impact</li> <li>■ High dimensional stability</li> <li>■ High flexibility in cold temperatures</li> <li>■ Heat weldable</li> <li>■ Suitable for installation on compacted soil</li> <li>■ Suitable for acidic soft waters contact (aggressive to concrete surfaces)</li> <li>■ Suitable for installations on weak substrates (i.e. with a cohesive strength / pull off strength &lt; 1.5N/mm<sup>2</sup>)</li> <li>■ Can be installed on damp or wet substrates</li> </ul>
<b>Tests</b>	
<b>Approval / Standards</b>	Complies with the requirements of C.C.T.G. / No. 67, title III (France)
<b>Product Data</b>	
<b>Form</b>	
<b>Appearance / Colours</b>	<p>Rolled sheet membrane, homogeneous. Surface: smooth Membrane thickness: 2.00 mm Colour: translucent</p>
<b>Packaging</b>	<p>Roll size: 2.00 m (roll width) x 20.00 m (roll length). Unit weight: 2.60 kg/m<sup>2</sup></p>
<b>Storage</b>	
<b>Storage Conditions / Shelf-Life</b>	12 months with the rolls stored as originally packaged, in a horizontal position, in dry conditions and at temperatures between +5°C and +35°C. They should be protected from direct sunlight, rain, snow and ice etc.



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## Technical Data

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<b>Chemical Base</b>	Soft PVC (PVC-p-NB) homogeneous	
<b>Thickness</b>	2.00	(NF T 54.101)
<b>Translucency</b>	82% (requirement > 70%)	

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## Mechanical / Physical Properties

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<b>Tensile Strength</b>	Longitudinal and transversal: > 15.40	(NF P 84.501)
<b>Elongation</b>	Longitudinal and transversal: > 315%	(NF P 84.501)
<b>Delamination Strength</b>	3.10 N / mm	(requirement > 2.50 N/mm)
<b>Behaviour when Folding in Cold</b>	No fissures at -20°C	(NF P 84.350)

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## Resistance

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<b>Resistance to Micro Organisms</b>	Comestible test: note 0 / fungi test: note 0	(NF X 41.514)
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## System Information

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<b>System Structure</b>	Ancillary Products: <ul style="list-style-type: none"><li>- Sikaplan® WP Laminated metal for fixing pieces</li><li>- Sikaplan® WP Disc 80/10mm for mechanical fixings</li><li>- Sika® Waterbar, types AR for fixings and waterproofing concrete joints etc.</li></ul>
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## Application Details

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<b>Substrate Quality</b>	<p>In-situ concrete: Clean, sound and dry, homogeneous, free from oils and grease, dust and loose or friable particles.</p> <p>Shotcrete: The profile of the shotcrete surface must not exceed a ratio of length to depth of 5 : 1 and its min. radius must be 20 cm. The shotcrete surface must not contain broken aggregates. Any leaks must be sealed with Sika® waterproof plugging mortar, or drained with Sika® Flexo Drain. Where necessary to achieve the desired profile/surface, apply a fine gunite layer on the shotcrete surface with a min. thickness of 5cm and aggregate diameter not exceeding 4 mm. Steel (girders, reinforcement mesh, anchors etc.) must also be covered with a min. 5 cm of gunite.</p> <p>The surface of the shotcrete and gunite must be cleaned (no loose stones, nails, wires, etc.) to ensure the same standard as for in-situ concrete above.</p>
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## Application Conditions / Limitations

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<b>Substrate Temperature</b>	0°C min. / +35°C max.
<b>Ambient Temperature</b>	+5°C min. / +35°C max.

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## Application Instructions

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<b>Application Method / Tools</b>	<p>Installation method: Loose laid and mechanically fastened, or loose laid and ballasted, in accordance with the separate method statement for membrane installation.</p> <p>All membrane overlaps must be welded i.e. using hand welding guns and pressure rollers or automatic heat welding machines, with individually adjustable and electronically controlled welding temperatures (such as the manual Leister Triac PID / automatic: Leister Twinny S / semi-automatic: Leister Triac Drive).</p> <p>Welding parameters, such as speed and temperature must be established with trials on site, prior to any welding works.</p>
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<b>Notes on Application / Limitations</b>	<p>This product should only be used by Sika approved contractors.</p> <p>The membrane is not resistant to permanent contact with materials such as bitumen, and plastics other than PVC; on these surfaces it requires a separating layer of geotextile (&gt; 300g/m<sup>2</sup>) to be applied under the membrane.</p> <p>The watertightness of the structure must be approved after completion of the membrane installation works according to the requirements of the client's specifications.</p> <p>The membrane is not UV stabilised and cannot be installed on structures where it is permanently exposed to UV-light and weathering.</p>
<b>Value Base</b>	<p>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.</p>
<b>Local Restrictions</b>	<p>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.</p>
<b>Health and Safety Information</b>	<p>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.</p>
<b>Legal Notes</b>	<p>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.</p>



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