

Sika[®] Proof 150

Self adhesive bituminous waterproofing membrane

Construction

Description	<p>Sika Proof 150 is self adhesive elastomeric bituminous sheet membrane lined with a HDPE foil on the top surface.</p> <p>The lower face of the sheet is protected by a silicon foil that can be removed before application.</p>
Uses	<p>Sika Proof 150 can be used as a waterproofing membrane in:</p> <ul style="list-style-type: none"> • Wet areas • Planter boxes, terraces and balconies • Basement walls • Water and waste water tanks <p>The Sika Proof 150 can be used above ground and below ground, acting as a barrier to water, hydrostatic pressure, corrosive salts, air and water vapour.</p>
Advantages	<ul style="list-style-type: none"> • Uniform thickness of 1.5mm • Easily installed self adhesive application • Excellent flexibility • The HDPE surface allows the sheet to be durable and resistant to heat, aging and puncture • Good chemical resistance • Excellent waterproofing capabilities
Storage and Shelf Life	Stored in its unopened original containers in a cool, dry place. Store rolls on end.
Instructions for Use	
Surface Preparation	<p>Surfaces must be clean and free from all traces of loose materials, old coatings, curing membranes, release agents, laitance, oil and greases etc.</p> <p>Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blast tracking or grinding. Substrates heavily impregnated with oil must be cleaned by torching or suitable solvent cleaning methods.</p> <p>For re-profiling defects on horizontal surfaces a suitable patching mortar is required. The patching mortar should be of cementitious base depending on the scope, particular conditions and requirements of the work. Contact the Sika technical department for further information.</p>
Priming	<p>Apply Sika Proof Primer as a primer on all concrete and masonry substrates. The primer should be applied at a rate of approximately 0.25 litres/m² (or 4m² per litre). Only apply the primer where the Sika Proof 150 is to be applied.</p> <p>The coverage rate of the primer will depend on the porosity of the surface. Allow the primer to dry for approximately 1 hour (at > 20°C). Begin applying the Sika Proof 150 when the primer is tack free.</p>
Application	Ensure that the surface to waterproofed has been primed. The silicon release foil must be removed prior to application. Following this, place the self adhesive sheet of Sika Proof 150 to the prepared surface, making sure that laps of 80 mm on the side, and 100 mm at the ends, are maintained. The laps should be carefully smoothed using a rubber roller
Maintenance	Areas waterproofed with Sika Proof 150 are virtually maintenance free. A regular inspection of the general appearance of the membrane is recommended. Any damage identified during inspection should be repaired or replaced as appropriate.

Limitations	<ul style="list-style-type: none"> ▪ In multi layer applications take care to prevent damage to the existing layer. ▪ A slip sheet should be used on the membrane when applying a solid topping over the top ▪ An approved membrane protection board should be installed over the membrane prior to any backfilling.
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Technical and Physical Data

Form	SBS thermoplastic bitumen polymer reinforced with HDPE foil
Colour	Black
Thickness	1.5 mm
Mass	1.4 kg/m ²
Coverage	1 roll covers approximately 19 m ² (allowing for overlaps)
Elongation at break (EN)	Longitudinal: 300% Transverse: 220%
Tensile strength (EN)	Longitudinal: 280 N Transverse: 330 N
Resistance to tearing (UEatc)	Longitudinal: 70 N Transverse: 80 N
Initiated tearing (ASTM)	Longitudinal: 40 N Transverse: 40 N
Puncture resistance (EN)	280 N (65mm)
Electric resistivity	30,000 V/mm
Water vapour transmission	0.3 g/m ² /24 hrs
Packaging	1 metre wide x 20 metre long rolls

Handling Precautions

- Sika products are generally quite harmless, provided normal precautions are taken when handling chemicals. Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.
- Avoid all sources of ignition. No smoking.
- For further information refer to the Sika Material Safety Data Sheet which is available on request.
- If in doubt always follow the directions given on the pack or label.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

Construction

