

# Technical Data Sheet

## StoBit SMW

Cold applied bituminous self-adhesive waterproofing sheet membrane



### Characteristics

- Area of application**
- Basement structures
  - Bridges
  - Concrete floor slabs
  - Concrete retaining walls and roofs
  - Deck slabs
  - Subways
  - Warehouse

- Properties**
- Excellent waterproofing and damp proof properties
  - Can be used above or below ground
  - Quality controlled thickness providing uniform protection
  - Non- hazardous and non-toxic
  - Excellent bond to substrates
  - Easily applied product, fixed by firmly pressing onto primer substrate
  - Self-sealing to minor punctures
  - Rubber bitumen coating mixture specially formulated for Far Eastern conditions
  - Minimal wastage on lapping

- Application method**
- Stick on self-adhesive

### Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Thickness	EN 1849-1	1.50 mm	
Tensile Strength longitudinal transverse	EN 12311-1	200 N/50 mm 300 N/50 mm	
Elongation longitudinal transverse	EN 12311-1	350 % 350 %	
Resistance to Static Loading	EN 12730	5 kg	
Hydrostatic Pressure	DIN 16726:1986	No leakage	
Peel Adhesion Strength to primed concrete to self	ASTM D903	2.2 N/mm <sup>2</sup> 2.1 N/mm <sup>2</sup>	
Softening Point	ASTM D36	100 °C	
Water Absorption	ASTM D570	0.7 %	
Water Vapour Transmission	ASTM E96	1.1 g/m <sup>2</sup> day	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

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Application							
<b>Substrate Preparation</b>	The substrate to be treated must be dry, clean and free from dust, dirt, grease, moss, lichen or any other deleterious matters.						
<b>Material Preparation</b>	StoBit Primer is supplied ready to use. Stir the compound well before use.						
<b>Application Procedure</b>	<p><u>Priming</u> Prime the surface with one coat of StoBit Primer to improve bonding between the membrane and substrate.</p> <p><u>Membrane Application</u> Unroll the first roll of StoBit SMW membrane completely and placed it aligned to the lowest edge of the substrate.</p> <p>Re-roll one end of the membrane approximately half way while maintaining the alignment. From one end, remove the interleaving silicone layer, press and adhere the leading end firmly in position with 75 mm edge and 100 mm end overlaps. Continue working while slowly unrolling the membrane.</p> <p>Pressed the membrane firmly onto the primed surface to achieve good adhesion, working from centre to the edges, avoiding air being trapped. The use of heavy roller is recommended.</p> <p>Repeat the process with the subsequent roll with each roll overlapping the next roll by at least 75 mm at side lap and 100 mm at head lap.</p>						
<b>Drying Time</b>	Approx. 2 – 4 hrs (StoBit Primer)						
<b>Consumption of StoBit Primer</b>	<table border="0"> <tr> <td>Mild Steel</td> <td>approx. coverage 10 -16 m<sup>2</sup>/litre</td> </tr> <tr> <td>Concrete</td> <td>approx. coverage 5 - 8 m<sup>2</sup>/litre</td> </tr> <tr> <td>Lightweight Screed</td> <td>approx. coverage 2 - 4 m<sup>2</sup>/litre</td> </tr> </table>	Mild Steel	approx. coverage 10 -16 m <sup>2</sup> /litre	Concrete	approx. coverage 5 - 8 m <sup>2</sup> /litre	Lightweight Screed	approx. coverage 2 - 4 m <sup>2</sup> /litre
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<b>Application Temperature</b>	Minimum application temperature + 8 °C Maximum application temperature + 45 °C						
<b>Cleaning Tools</b>	Tools must be cleaned immediately after use with thinner or white spirit.						
Delivery							
<b>Colour</b>	Black						
<b>Packing</b>	StoBit SMW is available in 1 x 20 meter rolls at a normal thickness of 1.5 mm StoBit Primer is available in 20 lit can.						
Storage							
<b>Storage life / conditions</b>	The shelf life of StoBit SMW in unopened and undamaged packaging is 5 years if stored in cool dry conditions. Protect from contact with any water.						

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### Special notes

**Health & Safety** Please refer to Safety Data Sheet

**Technical Support** Please consult the local sales office for further information and any site assistance required.

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on [www.sto-sea.com](http://www.sto-sea.com).

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\*Product images may differ from the actual product.