

# Technical Data Sheet

## StoBit TMW / TMW M

APP modified bitumen torch-on waterproofing membrane with non-woven polyester reinforcement



### Characteristics

<b>Properties</b>	<ul style="list-style-type: none"> <li>• Excellent protection against ingress of water and water-borne salts</li> <li>• Quality-controlled thickness providing uniform protection</li> <li>• Resistant to atmospheric pollutants and chemical environment</li> <li>• Good thermal and ageing properties</li> <li>• Polyester reinforced which enhances the tensile strength and tear resistance</li> </ul>
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<b>Application</b>	Apply with gas torch
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### Area of Use

#### StoBit TMW

- For roofing and re-roofing works for sloped and flat-protected roofs
- Waterproofing of both above and below grade structures

#### StoBit TMW M

- For roofing and re-roofing works for sloped and flat-protected roofs
- Suitable for waterproofing exposed surfaces

### Technical Data

Data	Criteria	Test Standard	Value	Unit
	Elongation at break – Long / Trans	EN-12311-1	30 / 30	%
	Tensile Strength at break – Long / Trans	EN-12311-1	600 / 400	N/5 cm
	Tear Resistance – Long / Trans	EN-12310-1	140 / 160	N/5 cm
	Puncture Resistance – Static / Dynamic	EN-12730	PS-3 / PD-3	
	Adhesion to Concrete (torch applied)	EN-12039	< 30	N/5 cm
	Water Impermeability	EN-1928	60	kPa
	Water vapour transmission	EN-1931	20,000	μ
	Heat stability	EN-1110	130	°C

The values stated are average values. Due to the use of natural raw materials in our products, the actual value determined on an individual delivery may deviate slightly without compromising product suitability.

### Application

<b>Substrate Preparation</b>	The substrate to be waterproofed must be sound, dry, load bearing and free of any irregularities.
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### Application

#### Coating Procedure

##### Priming

Prime the surface with one coat of StoBit Primer to improve bonding between the membrane and substrate.

##### Placing

Starting from the lowest point where the drainage outlet is positioned, unroll StoBit TMW / TMW M from its original packaging and placed at the correct position where it will be torched later on. The membrane is then re-rolled from each end without changing its original alignment.

Torch the outer layer of membrane with a gas flame torch until the membrane surface develop a sheen or glossy appearance. Also lightly heat the primed surface with torch. Pressed the membrane firmly onto the primed surface to achieve good adhesion, working from centre to the edges, avoiding air being trapped. Continue to work by slowly unrolling the membrane, torching with flame and pressing to substrate until the end of membrane.

Slide laps should be from 8-10 cm, while end laps from 12-15 cm.  
The bitumen compound oozing out from the lightly pressed heated overlap of the membrane should be carefully levelled with a heated round trowel to form a watertight seal.

Note: Primer must be fully dry before torching process.

#### Application Temperature

Minimum application temperature + 8 °C  
Maximum application temperature + 45 °C

### Delivery

#### Colour

StoBit TMW - Black  
StoBit TMW M - Grey  
StoBit TMW M - Green

#### Packing

StoBit TMW / TMW M is available in 1x10 meter rolls

StoBit TMW 3 mm	10 mtr / roll
StoBit TMW 4 mm	10 mtr / roll
StoBit TMW M Grey 4 kg	10 mtr / roll
StoBit TMW M Grey 4.5 kg	10 mtr / roll
StoBit TMW M Green 4.5 kg	10 mtr / roll
StoBit TMW M Grey 5 kg	10 mtr / roll
StoBit TMW M Green 5 kg	10 mtr / roll

### Storage

#### Storage life / conditions

The shelf life of StoBit TMW /TMW M is approximately 5 years if stored in cool dry conditions away from direct sunlight in standing position.

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Special Notes	
<b>Safety Precautions</b>	StoBit TMW / TMW M are combustible if exposed to naked flame.
<b>Technical Support</b>	Please consult Sto Technical Service Centre or the local sales office for further information and any site assistance required.
<b>Disclaimer</b>	<p>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.</p> <p>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.</p> <p>When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on <a href="http://www.sto-sea.com">www.sto-sea.com</a>.</p>

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