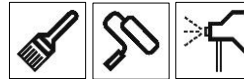


Technical Data Sheet

StoBit Seal 100W R-PRUF

Liquid applied, water-based root resistant elastomeric waterproofing membrane



Characteristics

Area of application

- Roofs
- Balconies
- Basements
- Retaining walls
- Planter boxes

Properties

- Water-based and environmentally safe
- Specially developed for root resistivity
- Long term protection with no damage to plants
- Exhibits excellent elastomeric properties which can easily accommodate all normal building movements to ensure permanence of waterproof seal
- Excellent adhesion to most concrete and masonry substrates
- Ability to bridge cracks up to a minimum of 2mm in width
- Once dry can sustain total submersion
- Liquid application to complex details to form a joint less than extremely durable waterproof membrane.
- Excellent resistance to water, heat and fire
- Good resistance to alkali and turpentine

Technical Data

Criteria	Standard / test specification	Value/ Unit	Notes
Total solids	SS 133	Min. 65 %	
Density		1.25 kg/L	
Water penetration	DIN 1048	0 mm	
Water vapour transmission	ASTM E96	> 15 g/m ² /day	
Adhesion to substrate	ASTM D4541 (adopted)	0.4 N/mm ²	
Tensile Strength *	ASTM D412	> 5.0 N/mm ²	
Elongation	ASTM D412	> 500 %	
Shore A Hardness *	ASTM D2240	> 30	
Crack Bridging	ASTM C836 (adopted)	2 mm	
* with StoDivers GF Net			

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.

Substrate

Preparation

The substrate must be dry, clean and free from dust, oil, rust, grease and any loose adhering particles.

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StoBit Seal 100W R-PRUF

Application

Application temperature Lowest application temperature: +8°C
 Highest application temperature: +45°C

Material Preparation StoBit Seal 100W R-PRUF is supplied ready to use. Do not dilute further.

Consumption

Type of application	Approximately
The coverage rate is approximately	0.60 – 0.80 kg/m ² per coat

Each coat should achieve about 600 – 700 microns and the complete system must reach at least 1 mm thick.

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

Application Application method
 Apply with brush, roller, air spray

**Coating Procedure /
Placing Procedure**

Priming
 Prime the substrate with one coat of StoBit Primer W.
 Allow it to dry for 24 hours. For extremely old and porous substrate, an additional coat of primer is necessary.

- For Glass Fibre reinforced surfaces (minimum 3 coats)
 - Apply the first body coat of StoBit Seal 100W R-PRUF at right angle to the primer coat after 24 hours.
 - Allow to dry for approximately 2 hours.
 - When the first body coat is dry, unroll StoDivers GF Net over it.
 - Immediately, apply a second body coat ensuring that StoDivers GF Net is completely immersed with StoBit Seal 100W R-PRUF to ensure effective bonding.
 - Leave to dry for at least 24 hours.
 - Apply a final coat of StoBit Seal 100W R-PRUF.
 - Leave to cure.
- For Concrete Surfaces (minimum 2/3 coats)
 - Apply the first coat of StoBit Seal 100W R-PRUF at right angle to the primer coat after 24 hours.
 - Allow to dry for approximately 2 hours.
 - Apply the second coat and leave to dry.
 - An optional final coat can be carried once the preceding coat is dry. Leave to cure.
 - Follow-on screed must be at least 50 mm thick to ensure good bonding to the material.

Note:

1. Protect from rain and frost until curing. Material will be washed off when not fully cured.
2. Allow new cementitious substrates to fully cure before application of any materials.
3. Ensure protection from other trade works to prevent puncture or damage.

Cleaning the tools Tools must be cleaned immediately after use with clean water.

**Notes, recommendations,
special information,
miscellaneous** Please consult the local sales office for further information and any site assistance required.

Technical Data Sheet

StoBit Seal 100W R-PRUF

Delivery

Colour Greyish Brown

Packaging	Article No.	Name	Packing
	54000-155	StoBit Seal 100W R-PRUF	20 lit

Storage

Storage conditions Store in cool dry conditions; avoid direct sunlight.

Storage life This product has a shelf life of 12 months from the manufacturing date.

Identification

Product group Waterproofing

Safety Please refer to Safety Data Sheet.

Special Notes

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.

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*Product images may differ from the actual product.