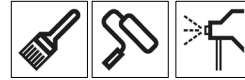


Technical Data Sheet

StoPur 66

Water-based, liquid applied single component polyurethane membrane



Characteristics

- Area of application**
- Floor slabs
 - R.C. flat roofs
 - Patios, terraces and balconies
 - RC gutters and planter boxes
 - Basement and retaining walls
 - Metal roof
 - Can be used as an exposed system when reinforced with StoDivers GF Net

Properties

- Easy to apply, ready to use, single component water based
- Eco friendly, solvent free (low VOC)
- UV resistant
- Completely seamless application, easy to detail
- Crack bridging
- Highly elastic
- Excellent adhesion strength, will bond to almost any surface
- Excellent weathering and waterproofing properties
- Can be applied to surface with moisture content up to 20%
- Odourless and produced no fumes

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Specific gravity	ASTM D1475	1.3 – 1.4 g/cm ³	
Solids content	ASTM D 2369	> 60 %	
Elongation at break	ASTM D 412	> 500 %	
Tensile strength :	ASTM D 412		
without StoDivers GF Net		> 1.5 N/mm ²	
with StoDivers GF Net		> 7 N/mm ²	
Resistance to water penetration	DIN 1048: Pt 5	0 mm	
Shore A Hardness	ASTM D 2240	50 - 55	
Tear resistance	ASTM D 903	>15 N/mm ²	
Water vapour transmission (with 1.2 mm film)	ASTM E96 / 96M	30 g/m ² /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.

Substrate

Requirements

The substrate to be treated must be dry, clean and free from dust, dirt, grease, moss, lichen or any other deleterious matters that have a separating action.

Defective substrate such as cracks and honeycombs etc. shall be chased out and repair with Sto Repair System prior to application.

Technical Data Sheet

StoPur 66

Application					
Application temperature	Lowest application temperature: +8°C Highest application temperature: +45°C				
Material preparation	Prior to application, stir StoPur 66 thoroughly using a slow-speed drill and paddle until a homogeneous liquid is obtained. Ensure that no material is left settled at the bottom of the pail				
Consumption	<table border="1"> <thead> <tr> <th>Type of application</th> <th>Approx. consumption</th> </tr> </thead> <tbody> <tr> <td>The coverage rate</td> <td>0.5 kg/m² per coat</td> </tr> </tbody> </table> <p>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.</p>	Type of application	Approx. consumption	The coverage rate	0.5 kg/m ² per coat
Type of application	Approx. consumption				
The coverage rate	0.5 kg/m ² per coat				
Application method	Apply with brush, roller or airless sprayer				
Coating Procedure	<p><u>Priming</u> Mineral substrate: Apply StoPur 66 diluted 10% with clean water at a rate of @ 0.5 kg/m². Leave to dry for 24 hours before recoating.</p> <p>Steel metal substrate: Immediately after surface preparation, apply a continuous film of StoDivers Rustpruf anti-corrosion primer onto the prepared steel surface. Leave to dry for 24 hours.</p> <p><u>Application of Body and Top Coat (for systems with protective screed)</u> Apply a layer of StoPur 66 without dilution at 0.5 kg/m². Allow to dry for 24 hours. Apply a final coat without dilution of StoPur 66 at 0.5 kg/m² to create the desired film thickness. Allow to dry for 24 hours.</p> <p><u>Application of Body and Top Coat (for exposed systems)</u> Immediately after the application of first layer and when the StoPur 66 is still wet, lay StoDivers GF Net / StoDivers GF Net CSM. A feasibility check is required to determine which type of netting should be used. Ensure that the net is uniformly laid and free from creases and fold. Incorporate and embed the fiberglass into the wet StoPur 66 by pressing it thoroughly using roller. Let the material to dry for 24 hours. Apply another intermediate coat without dilution at 0.5 kg/m². Allow to dry for 24 hours. Apply a final coat without dilution of StoPur 66 at 0.5 kg/m² to create the desired film thickness.</p>				
Drying, curing, ready for next coat	<p><u>Drying time</u> : Approx. 24 hours Dries physically by water evaporation. Permanently high humidity loads and low temperature will delay drying.</p> <p><u>Curing time</u> : Approx. 48 hours</p>				
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

StoPur 66

Delivery

Colour Grey

Packaging

Name

StoPur 66

Packing

20 kg

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.