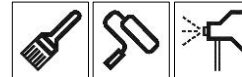


# Technical Data Sheet

## StoPur 66

Water-based, liquid applied single component polyurethane membrane



### Characteristics

#### 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

#### Application

Apply with brush, roller or airless sprayer

#### Area of Use

- 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

### Technical Data

| Data | Criteria                                     | Test Standard  | Value     | Unit                  |
|------|--|----------------|-----------|-----------------------|
|      | Specific gravity                             | ASTM D1475     | 1.3 – 1.4 | g/cm <sup>3</sup>     |
|      | 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 <sup>2</sup>     |
|      | with StoDivers GF Net                        |                | > 7       | N/mm <sup>2</sup>     |
|      | Shore A Hardness                             | ASTM D 2240    | 50 - 55   |                       |
|      | Tear resistance                              | ASTM D 903     | >15       | N/mm <sup>2</sup>     |
|      | Water vapour transmission (with 1.2 mm film) | ASTM E96 / 96M | 30        | g/m <sup>2</sup> /day |

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

#### Substrate Preparation

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.

#### 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

# Technical Data Sheet

## StoPur 66

|                                  |   |
|----------------------------------|---|
| <b>Application</b>               |   |
| <b>Coating Procedure</b>         | <p><u>Priming</u><br/>           Mineral substrate:<br/>           Apply StoPur 66 diluted 10% with clean water at a rate of @ 0.5 kg/m<sup>2</sup>.<br/>           Leave to dry for 24 hours before recoating.</p> <p>Steel metal substrate:<br/>           Immediately after surface preparation, apply a continuous film of StoDivers Rustpruf anti-corrosion primer onto the prepared steel surface.<br/>           Leave to dry for 24 hours.</p> <p><u>Application of Body and Top Coat ( for systems with protective screed)</u><br/>           Apply a layer of StoPur 66 without dilution at 0.5 kg/m<sup>2</sup>. Allow to dry for 24 hours.<br/>           Apply a final coat without dilution of StoPur 66 at 0.5 kg/m<sup>2</sup> 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><br/>           Immediately after the application of first layer and when the StoPur 66 is still wet, lay StoDivers GF Net glass fibre netting.</p> <p>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.<br/>           Let the material to dry for 24 hours.</p> <p>Apply another intermediate coat without dilution at 0.5 kg/m<sup>2</sup>. Allow to dry for 24 hours.</p> <p>Apply a final coat without dilution of StoPur 66 at 0.5 kg/m<sup>2</sup> to create the desired film thickness.</p> |
| <b>Curing Time</b>               | Approx. 48 hours  |
| <b>Drying Time</b>               | Approx. 24 hours<br>Dries physically by water evaporation.<br>Permanently high humidity loads and low temperature will delay drying.  |
| <b>Application</b>               |   |
| <b>Consumption</b>               | The coverage rate is approximately 0.5 kg/m <sup>2</sup> per coat   |
| <b>Application Temperature</b>   | Minimum application temperature + 8 °C<br>Maximum application temperature + 45 °C   |
| <b>Cleaning Tools</b>            | Tools must be cleaned immediately after use with clean water.   |
| <b>Delivery</b>                  |   |
| <b>Colour</b>                    | Grey  |
| <b>Packing</b>                   | StoPur 66 is available in 20 kg pail.   |
| <b>Storage</b>                   |   |
| <b>Storage life / conditions</b> | The shelf life of StoPur 66 is approximately 12 months when if stored in cool and dry conditions.   |

# Technical Data Sheet

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## StoPur 66

### Special Notes

**Safety Precautions** After full curing, StoPur 66 is physiologically harmless. Keep the material away from eyes, mouth and skin. Do not inhale vapour.  
The use of protective gloves and goggles is recommended. However should accidental eye contact occur, rinse thoroughly with plenty of clean running water and seek medical treatment immediately.

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

**Disclaimer** 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).

**Sto SEA Pte Ltd**  
159 Sin Ming Road  
#06-02 Amtech Building  
Singapore 575625  
Phone : +65 6453 3080  
Fax : +65 6453 3543  
[info.sg@sto.com](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SEA Sdn Bhd**  
No. 15 Jalan Teknologi PJU 3/3A  
Surian Industrial Park Kota Damansara,  
47810 Petaling Jaya, Selangor Malaysia  
Phone : +60 03 6156 6133  
Fax : +60 03 6156 7133  
[info.sg@sto.com](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**StoCretec GmbH**  
Gutenbergstr. 6  
D-65830 Kriftel,  
Germany  
Phone : +49 6192 401 104  
Fax : +49 6192 401 105  
[info.sg@sto.com](mailto:info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)