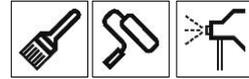


Technical Data Sheet

StoPur 33

Water-based, liquid applied single component polyurethane bituminous membrane



Characteristics

- Area of application**
- Concealed RC flat roof
 - Retaining wall, lift pit wall and planter box
 - Underlayment waterproofing at swimming pool deck and wet area
 - Down-pipe treatment

- Properties**
- Easy to apply, ready to use, single component water based
 - Eco friendly, solvent free (low VOC)
 - High elasticity
 - High crack bridging capability
 - Optimum adhesion onto concrete

Technical Data

| Criteria | Standard / test specification | Value / Unit | Notes |
|---------------------------|-------------------------------|-------------------------------|-------|
| Solid content | ASTM D2939 | > 44 % | |
| Density | ASTM D1475 | 1.00 ± 0.15 g/cm ³ | |
| Tensile strength | ASTM D412 | > 1.5 N/mm ² | |
| Elongation at break | ASTM D412 | > 350 % | |
| Shore A Hardness | ASTM D2240 | > 65 | |
| Adhesion Strength | ASTM D7234 | > 0.4 N/mm ² | |
| Water Vapour Transmission | ASTM E96/ E96M | 0.71 g/h.m ² | |

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

- Requirement**
- 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.

Application

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

- Material Preparation**
- Prior to application, stir StoPur 33 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 33

| Consumption | Type of application | | | | | | |
|---|---|------------|------|---------|-----------|-----------|-------|
| | As a primer 0.5 kg/m² per coat | | | | | | |
| | As a waterproofing layer 1.0 – 1.5 kg/m² per coat | | | | | | |
| 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 method | Apply with brush, roller or airless sprayer | | | | | | |
| Coating build-up / Placing Procedure | <p><u>Priming</u> Concrete substrate: Apply StoPur 33 diluted 10% with clean water at a rate of @ 0.5 kg/m². For very porous substrate, higher rate of coverage is required. Leave to dry for 2 - 4 hours before recoating. Depending on temperature.</p> <p><u>Placing</u> Apply first coat of StoPur 33 without dilution at 1.0 – 1.5 kg/m² at a right angle to the primer coat. Allow to dry for 24 hours. Apply a final coat without dilution of StoPur 33 at 1.0 – 1.5 kg/m² to create the desired film thickness. Allow to dry for 24 hours.</p> | | | | | | |
| Drying, curing, ready for next coat | <p><u>Drying Time</u> Approx. 2 – 4 hours for primer. Approx. 8 hours for waterproofing layer. Dries physically by water evaporation. Permanently high humidity loads and low temperature will delay drying.</p> <p><u>Curing Time</u> Approx. 24 - 48 hours depending on temperature.</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. | | | | | | |
| Delivery | | | | | | | |
| Colour shade | Purplish-Black | | | | | | |
| Packaging | <table border="1"> <thead> <tr> <th>Article No</th> <th>Name</th> <th>Packing</th> </tr> </thead> <tbody> <tr> <td>54000-199</td> <td>StoPur 33</td> <td>20 kg</td> </tr> </tbody> </table> | Article No | Name | Packing | 54000-199 | StoPur 33 | 20 kg |
| Article No | Name | Packing | | | | | |
| 54000-199 | StoPur 33 | 20 kg | | | | | |
| Storage | | | | | | | |
| Storage life & conditions | <p>This product has a shelf life of 9 months from the manufacturing date.</p> <p>Product should always be stored in an unopened packaging, dry place, protected from rain, direct sunlight and raised off the floor.</p> | | | | | | |
| Identification | | | | | | | |
| Product group | Waterproofing | | | | | | |
| Safety | Please refer to Safety Data Sheet. | | | | | | |

Technical Data Sheet

StoPur 33

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.