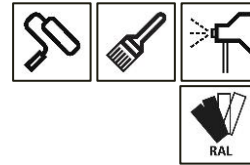


Technical Data Sheet

StoPur TC UV

Two components, UV resistant polyurethane coating



Characteristics

- Area of application**
- For interior and external application
 - On floor and wall areas
 - As a coloured sealing coat for industrial and traffic areas. e.g Car parks, aerospace
 - As a UV resistant top coat on other Sto systems

- Properties**
- Excellent adhesion to the substrate
 - Fast drying
 - Excellent ultraviolet / weathering resistance
 - High abrasion resistance
 - Good resistant to chemicals and solvents
 - Good colour retention

- Appearance**
- Gloss, semi-gloss & matt

Technical Data

Criteria	Standard / Test Specification	Value / Unit	Notes
Density	EN ISO 2811	1.25 – 1.35 g/cm ³	
Adhesion strength	ASTM D7234	> 1.5 N/mm ²	
Abrasion resistance according to Taber device	ASTM D 4060	< 40 mg	CS 10/1000 cycle/1000g

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 must be sound, dry, load bearing and free from native and foreign substances that have a separating effect. Remove less strong layers and laitance.
- The maximum moisture content of the substrate should not exceed 4% by weight measured with the CM device.
- Substrate temperature greater than +8°C and 3 K above dew point.
- Average adhesion strength >1.5 N/mm². Adhesion strength of the single smallest value 1.0 N/mm²

- Preparation**
- Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting or abrasive blasting.

Application

- Application temperature**
- Lowest application temperature: +8°C
 Highest application temperature: +35°C

- Time for application**
- At +30°C: approx. 120 minutes

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StoPur TC UV

Mixing ratio	<p><u>Gloss</u> Component A : Component B = 100.0 : 25.0 parts by weight</p> <p><u>Matt</u> Component A : Component B = 100.0 : 20.0 parts by weight</p> <p><u>Clear Gloss</u> Component A : Component B = 100.0 : 66.6 parts by weight</p> <p><u>Semi-Gloss & Clear Matt</u> Component A : Component B = 100.0 : 22.2 parts by weight</p>				
Material preparation	<p>Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.</p> <p>Stir Component A, then add all of Component B. Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops.</p> <p>It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time at least 1 minute.</p> <p>Do not apply from the delivery container! After mixing, transfer the material into a clean container and stir it thoroughly once again. The temperature of the individual components must be min. +15°C when mixing.</p>				
Consumption	<table border="1" data-bbox="494 1075 1477 1153"> <thead> <tr> <th>Type of application</th> <th>Approx. coverage</th> </tr> </thead> <tbody> <tr> <td>The coverage rate</td> <td>0.12 – 0.16 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. coverage	The coverage rate	0.12 – 0.16 kg/m ² per coat.
Type of application	Approx. coverage				
The coverage rate	0.12 – 0.16 kg/m ² per coat.				
Coating build-up	<p>UV resistant PU flooring system</p> <ol style="list-style-type: none"> 1) Substrate preparation 2) Prime coating of StoPox GH 205 3) Scratch coat (optional, e.g. roughness > 0.5 mm) 4) Coating of StoPur TC UV <p>UV resistant PU sealing coat on Sto flooring systems</p> <ol style="list-style-type: none"> 1) Sealing coat of StoPur TC UV 				
Application	<p>UV resistant PU flooring system</p> <ol style="list-style-type: none"> 1) Surface preparation 2) Prime coating Prime coat with StoPox GH 205. Apply in flood coat using a rubber squeegee and distributed evenly by rolling down to ensure complete sealing of all substrate pores. Avoid puddle formation. Consumption: approx. 0.20 – 0.30 kg/m², depending on substrate and application conditions. If the coating is not to be overcoated within 48 hours, the fresh primer should be scattered off with Sto Filler 60/100 or Sto Filler 30/60 (not to excess, but grain to grain). Consumption: approx. 0.5 – 1.0 kg/m². For steel surface, prime with StoDivers Rustproof 				

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StoPur TC UV

- 3) Scratch coat, (optional, for roughness depths > 0.5 mm)
 For very rough substrate fill StoPox GH 205 1 : 1 by weight with Sto Filler 60/100
 Consumption of StoPox GH 205 approx. 0.3–0.4kg/m².
 Consumption of Sto Filler : approx. 0.3–0.4kg/m².
 Consumption of ready filled mixture: approx. 0.6 –0.8kg/m².
- 4) Coating of StoPur TC UV
 Apply the mixed material evenly using a Sto RS 13 Nylon roller or airless spray.
 Consumption: approx. 0.12 - 0.16kg/m².
 Note: Depending on colour tone and substrate conditions, several coats may be needed to get a homogeneous covering.

UV resistant PU sealing coat on Sto flooring system

- 1) Sealing coat
 StoPur TC UV can be applied as a protective sealing coat to Sto's range of PU and Epoxy flooring system.
 Consumption: approx. 0.12 - 0.16kg/m².

Drying, curing, ready for next coat	Reworking time: At 30°C : approx. 5 to 6 hours								
Cleaning the tools	Tools must be cleaned immediately after use with cleaning solvent								
Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.								
Delivery									
Colour	Sto standard RAL colour range								
Packaging	<table border="1"> <thead> <tr> <th>Name</th> <th>Packing</th> </tr> </thead> <tbody> <tr> <td>StoPur TC UV – Gloss, Clear Gloss</td> <td>5 kg set</td> </tr> <tr> <td>StoPur TC UV – Semi-Gloss, Clear Matt</td> <td>5.5 kg set</td> </tr> <tr> <td>StoPur TC UV – Matt</td> <td>6 kg set</td> </tr> </tbody> </table>	Name	Packing	StoPur TC UV – Gloss, Clear Gloss	5 kg set	StoPur TC UV – Semi-Gloss, Clear Matt	5.5 kg set	StoPur TC UV – Matt	6 kg set
Name	Packing								
StoPur TC UV – Gloss, Clear Gloss	5 kg set								
StoPur TC UV – Semi-Gloss, Clear Matt	5.5 kg set								
StoPur TC UV – Matt	6 kg set								
Storage									
Storage conditions	Store in dry and frost-free conditions; avoid direct sunlight.								
Storage life	This product has a shelf life of 12 months from the manufacturing date.								
Identification									
Product group	Floor and Wall Coating								
Safety	Please refer to Safety Data Sheet								

Technical Data Sheet

StoPur TC UV

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.