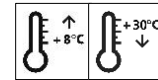


Technical Data Sheet

StoPox WHG Grund 100

Epoxy resin primer, tested and approved water protection systems



Characteristics

- Area of application**
- Interior and exposed to weathering
 - On floor areas
 - For cementitious, dry concrete substrates
 - As a primer in the StoCretec WHG System

- Properties**
- Very good adhesive bond on mineral substrates

- Information /notes**
- Product is in accordance with EN 13813
 - For water protection in accordance with Article 62 German Federal Water Act (WHG)
 - Do not apply to damp or soiled substrates

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Criteria	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.05 - 1.11 g/cm ³	
Adhesion strength	ASTM D7234	> 1.5 N/mm ²	
Viscosity	EN ISO 3219	300 - 480 mPa.s	

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 higher than +10°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

- Preparations**
- 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
Maximum approved relative humidity 75%
Highest application temperature: +30°C
Maximum approved relative humidity 85%

- Time for application**
- At +10°C : approx. 60 minutes
At +23°C : approx. 40 minutes
At +30°C : approx. 20 minutes

- Mixing ratio**
- Component A : component B = 100.0 : 45.0 parts by weight

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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 3 minutes.</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>
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Consumption	<table border="1"> <thead> <tr> <th>Type of application</th> <th>Approx. consumption</th> </tr> </thead> <tbody> <tr> <td>As primer, depending on the substrate absorbency</td> <td>0.2 – 0.3 kg/m²</td> </tr> <tr> <td>As scratch coat per mm layer thickness</td> <td>0.4 – 0.5 kg/m²</td> </tr> </tbody> </table>	Type of application	Approx. consumption	As primer, depending on the substrate absorbency	0.2 – 0.3 kg/m ²	As scratch coat per mm layer thickness	0.4 – 0.5 kg/m ²
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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.

Coating build-up	<p>StoCretec WHG System 1 and / or 7</p> <ol style="list-style-type: none"> 1) Substrate preparation 2) Prime coating of StoPox WHG Grund 100 3) Scratch coat of StoPox WHG Grund 100 (optional) 4) Coating of StoPox WHG Deck 100 or StoPox WHG Deck 105 <p>StoCretec WHG System 2 and / or 8</p> <ol style="list-style-type: none"> 1) Substrate preparation 2) Prime coating of StoPox WHG Grund 100 3) Scratch coat of StoPox WHG Grund 100 (optional) 4) Conductive layer of StoPox WHG Leit 110 5) Install conductive set StoDivers LS 6) Coating of StoPox WHG Deck 110 or StoPox WHG Deck 115
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Application	<p>StoCretec WHG System 1, StoCretec WHG System 7</p> <ol style="list-style-type: none"> 1) Prepare the substrate using suitable mechanical means. 2) Prime coating Apply StoPox WHG Grund 100 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. Do not scatter beforehand. 3) Scratch coat (optional if roughness > 0.5 mm) For very rough substrate fill StoPox WHG Grund 1 : 1 to 1 : 3 by weight with Sto Filler 60/100 and Sto Filler SM 100 (50 : 50 pbw). Apply the material using a smoothing trowel / squeegee with triangular notching and de-air with a spiked roller. Consumption of StoPox WHG Grund approx. 0.4 – 0.5 kg/m²/mm coating thickness. Consumption of Sto Filler : approx. 0.4 – 1.5 kg/m²/mm coating thickness. Consumption of ready filled mixture: approx. 1.8 kg/m²/mm coating thickness.
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Determine the exact amount of thixotropic additive required at the project, depending on the temperature and slope of the surface.

- 4) Coating of StoPox WHG Deck 100 or StoPox WHG Deck 105 (in accordance with the relevant Technical Data Sheet)

StoCretec WHG System 2, StoCretec WHG System 8

- 1) Prepare the substrate using suitable mechanical means.
- 2) Prime coating
Apply StoPox WHG Grund 100 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.
Do not scatter beforehand.
- 3) Scratch coat (optional if roughness > 0.5 mm)
For very rough substrate fill StoPox WHG Grund 1 : 1 to 1 : 3 by weight with Sto Filler 60/100 and Sto Filler SM 100 (50 : 50 pbw).
Apply the material using a smoothing trowel / squeegee with triangular notching and de-air with a spiked roller.
Consumption of StoPox WHG Grund approx. 0.4 – 0.5 kg/m²/mm coating thickness.
Consumption of Sto Filler : approx. 0.4 – 1.5 kg/m²/mm coating thickness.
Consumption of ready filled mixture: approx. 1.8 kg/m²/mm coating thickness.
Determine the exact amount of thixotropic additive required at the project, depending on the temperature and slope of the surface.
- 4) Conductive layer of StoPox WHG Leit 110 (in accordance with the Technical Data Sheets)
- 5) Install conductive set StoDivers LS
- 6) Coating of StoPox WHG Deck 110 or StoPox WHG Deck 115 (in accordance with the relevant Technical Data Sheet)

Drying, curing, ready for next coat	<p>Reworking time: At +10°C : approx. 32 hours At +23°C : approx. 12 hours At +30°C : approx. 8 hours</p>
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Cleaning the tools	Tools must be cleaned immediately after use with cleaning solvent.
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Notes, recommendations, special information, miscellaneous	Please consult the local sales office for further information and any site assistance required.
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Delivery

Packaging	Name	Packing
	StoPox WHG Grund 100	25 kg set

Storage

Storage conditions	Store in cool dry conditions; avoid direct sunlight.
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Storage life	This product has a shelf life of 12 months from the manufacturing date.
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StoPox WHG Grund 100

Identification

Product group Primer

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.