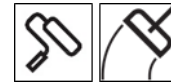


Technical Data Sheet

StoPox GH 205

Solvent-free epoxy primer



Characteristics

Area of application	<ul style="list-style-type: none"> Interior floor areas and naturally weathered Equalisation leveller for roughness > 0.5 mm Capillary and pore sealing of cement bound substrates
Properties	<ul style="list-style-type: none"> Excellent bonding to mineral substrates Contains de-airing additive Can be filled with quartz sands on site
Appearance	<ul style="list-style-type: none"> Yellowish

Technical Data

Criteria	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.08 g/cm ³	
Adhesion strength	ASTM D7234	> 1.5 N/mm ²	
Shore D hardness	ASTM D2240	67 - 73	
Viscosity	EN ISO 3219	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	<p>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.</p> <p>The maximum moisture content of the substrate should not exceed 4% by weight measured with the CM device.</p> <p>Substrate temperature greater than +8°C and 3 K above dew point.</p> <p>Average adhesion strength >1.5 N/mm². Adhesion strength of the single smallest value 1.0 N/mm².</p>
Preparations	<p>Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting.</p>

Application

Application temperature	<p>Lowest application temperature: +8°C</p> <p>Highest application temperature: +35°C</p>
Time for application	<p>At +10°C : approx. 60 minutes</p> <p>At +23°C : approx. 40 minutes</p> <p>At +30°C : approx. 20 minutes</p>
Mixing ratio	<p>Component A : Component B = 100.0 : 45.0 parts by weight</p>

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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>				
Consumption	<table border="1" data-bbox="504 808 1474 880"> <thead> <tr> <th>Type of application</th> <th>Approx. consumption</th> </tr> </thead> <tbody> <tr> <td>When use as a primer (coverage rate)</td> <td>0.2 - 0.3 kg/m².</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	When use as a primer (coverage rate)	0.2 - 0.3 kg/m ² .
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When use as a primer (coverage rate)	0.2 - 0.3 kg/m ² .				
Coating build-up	<p>Standard primer under solvent free, non-aqueous StoPox coatings (interior / exterior)</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) Finishing coat 				
Application	<p>Standard primer under solvent free, non-aqueous StoPox coatings (interior / exterior)</p> <ol style="list-style-type: none"> 1) Substrate 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. 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 and Sto Filler SM 100 (50 : 50 pbw) Consumption of StoPox GH 205 approx. 0.3 – 0.4 kg/m². Consumption of Sto Filler : approx. 0.3 – 0.4 kg/m². Consumption of ready filled mixture: approx. 0.6 – 0.8 kg/m². 4) Finishing coat Coat with StoCretec products e.g (StoPox BB OS, StoPox KU 405, StoPox 601) in accordance to the respective Technical Data Sheet. 				

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StoPox GH 205

Use as binder for creation of self-levelling mortars and EP screeds

Coating thickness < 1 mm;

Filled 1 : 1 in part by weight;

Consumption of the total mixture: approx. 1.50 kg/m²/mm coating thickness.

Consumption StoPox GH 205: approx. 0.70 kg/m²/mm coating thickness.

Consumption Sto Filler SM 100: approx. 0.40 kg/m²/mm coating thickness.

Consumption Sto Filler 60/100: approx. 0.40 kg/m²/mm coating thickness.

If necessary, sprinkle in excess the fresh levelling layer with Sto Filler 30/60 or Sto Filler 16/30.

Consumption: approx. 3.0 - 5.0 kg/m²

Coating thickness 1 - 2 mm;

Filled 1 : 1.5 in parts by weight;

Consumption of the total mixture: approx. 1.70 kg/m²/mm coating thickness.

Consumption StoPox GH 205: approx. 0.70 kg/m²/mm coating thickness.

Consumption Sto Filler SM 100: approx. 0.5 kg/m²/mm coating thickness.

Consumption Sto Filler 60/100: approx. 0.5 kg/m²/mm coating thickness.

If necessary, sprinkle in excess the fresh levelling layer with Sto Filler 30/60 or Sto Filler 16/30.

Consumption: approx. 3.0 - 5.0 kg/m²

Coating thickness 2 – 3 mm

Filled 1 : 2.5 in parts by weight;

Consumption of total mixture: approx. 1.80 kg/m²/mm coating thickness.

Consumption StoPox GH 205: approx. 0.50 kg/m²/mm coating thickness.

Consumption Sto Filler SM 100: approx. 0.4 kg/m²/mm coating thickness.

Consumption Sto Filler 60/100: approx. 0.5 kg/m²/mm coating thickness.

Consumption Sto Filler 30/60 : approx. 0.4 kg/m²/mm coating thickness

If necessary, sprinkle in excess the fresh levelling layer with Sto Filler 30/60 or Sto Filler 16/30.

Consumption: approx. 3.0 - 5.0 kg/m²

Coating thickness > 3 mm;

Filled 1 : 3 in parts by weight;

Consumption of total mixture: approx. 1.90 kg/m²/mm coating thickness.

Consumption StoPox GH 205: approx. 0.50 kg/m²/mm coating thickness.

Consumption Sto Filler SM 100: approx. 0.50 kg/m²/mm coating thickness.

Consumption Sto Filler 60/100: approx. 0.50 kg/m²/mm coating thickness.

Consumption Sto Filler 30/60: approx. 0.40 kg/m²/mm coating thickness.

If necessary, sprinkle in excess the fresh levelling layer with Sto Filler 30/60 or Sto Filler 16/30.

Consumption: approx. 3.0 - 5.0 kg/m²

The application and even distribution of self-levelling mortar is carried out using a rake/toothed trowel or toothed rubber track and subsequent equalisation and ventilation using a spiked roller, working crosswise.

Coating thickness 6 - 15 mm

Filled 1 : 8 in parts by weight (material temperature min. 15°C);

Consumption of total mixture: approx. 2.0 kg/m²/mm coating thickness. Pre-prime the surface as application must be carried out 'wet on wet'.

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Consumption StoPox GH 205: approx. 0.22 kg/m²/mm coating thickness.
 Consumption StoPox EPS GP Comp C: approx. 1.78 kg/m²/mm coating thickness.

Note:
 With lower material and object temperatures, the material consumption values will increase.

Drying, curing, ready for next coat	Over-coating time At +10°C : approx. 32 hours At +20°C : approx. 12 hours At +30°C : approx. 8 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

Packaging	Name	Packing
	StoPox GH 205	10 kg set

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	Primer
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Safety	Please refer to Safety Data Sheet.
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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.