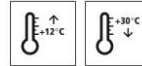


Technical Data Sheet

StoPox GH 406

EP primer, low-emission



Characteristics

Area of application

- as a priming coat for coatings in interiors and for industrial flooring
- for cementitious, dry substrates such as concrete or screed surfaces
- for producing levelling coats and EP screeds

Properties

- low VOC content, meets M1 requirements (Emission Classification For Building Materials)
- free from benzyl alcohol
- very good bond to the subsequent coating

Appearance

- transparent

Information/notes

- do not apply to damp or soiled substrates
- product is in accordance with EN 1504-2
- product is in accordance with EN 13813

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength	EN 1542	> 2,0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	800 - 1.200 mPa.s	mixture
Shore hardness type D	DIN 53505-D/EN ISO 868	77 - 83	
Density (mixture 23 °C)	EN ISO 2811-2	1,04 - 1,11 g/cm ³	mixture

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 dry, load-bearing, and free from native and foreign substances that have a separating action. Remove less solid layers and any scatter sand that has not been embedded. Remove less strong layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline

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2001-10, but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM per cent for C35/45 concrete, measured with a calcium carbide meter.

Substrate temperature higher than +12 °C and 3 K above dew point.

Average bond strength: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

Preparations

Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, abrasive blasting, or high-pressure water blasting (> 800 bar).

Application

Application temperature

lowest application temperature: +12 °C

max. approved relative humidity: 75 %

Highest application temperature: +30 °C

Time for application

At +10 °C: approx. 60 minutes

At +23 °C: approx. 35 minutes

At +25 °C: approx. 20 minutes

Mixing ratio

Component A : component B = 100.0 : 50.0 parts by weight

Material preparation

Component A and Component B are supplied in the correct mixing ratio and mixed in accordance with the following instructions. Stir component A, then add all of component B.

Mix thoroughly with a slow running stirrer (maximum 300 rpm) until a homogeneous, smooth compound develops. It is also vital to stir thoroughly at the sides and the bottom to ensure that the hardener is uniformly spread. 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. 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.

After mixing, transfer into a clean container and stir again thoroughly.

Do not apply from the delivery container!

The temperature of the individual components must be min. +15 °C when mixing.

Consumption

Type of application

Approx. consumption

as primer, depending on the substrate

0,3 - 0,5

kg/m²

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.

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Coating build-up

low-emission, benzyl alcohol-free priming coat for interior coatings
 1) Prepare the substrate.
 2) Primer: StoPox GH 406
 3) Apply a coating: e.g. StoPox KU 601, StoPur IB 500, or StoPur BB 100

Application

low-emission, benzyl alcohol-free priming coat for interior coatings
 1) Prepare the substrate.
 2) Primer: StoPox GH 406
 Flood-apply the mixed material with a rubber squeegee until the substrate is totally free of pores. Then evenly spread the material using a roller or brush. Avoid the formation of puddles.

consumption: approx. 0.3 - 0.5 kg/m², depending on the roughness of the substrate.
 If the fresh priming coat is not overcoated within 48 hours, scatter with StoQuarz 0.1-0.5 mm or StoQuarz 0.3-0.8 mm.

consumption: approx. 0.5 - 1.0 kg/m²

Scratch coat (optional):
 StoPox GH 406 with StoQuarz 0.1-0.5 mm depending on the temperature up to a max. of 1:1.5

3) Apply a coating: e.g. StoPox KU 601, StoPur IB 500, or StoPur BB 100
 Apply the mixed material in accordance with the Technical Data Sheets.

Notes:
 On strongly absorbent and porous substrates, determine the consumption in advance by laying a sample. Ensure that the surface is pore-free before applying the subsequent layer.
 If necessary, provide an additional priming coat or trowelled coating.

see Technical Data Sheet for Sto-Resin Brick Slips

Subsequent coatings can be applied directly on to the non-scattered, cured priming coat or filler and levelling coat within 24 hours.

In the case of longer interim waiting times, provide a quartz sand scattering.

Protect the fresh coating from the effects of humidity!

If temperatures are low, reduce the quantities of quartz sand added and adapt to on site conditions.

Other filling degrees and quartz sand grainings are possible, but should be adapted to on site conditions.

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Protect the coating against rising damp also during its use.

Cleaning the tools	Clean with StoDivers EV 100.
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Delivery

Article number	Name	Container
68012/003	StoPox GH 406 Combi	10 kg combi
68012/002	StoPox GH 406 Set	20 kg set
68012/001	StoPox GH 406 Set	9.37 kg set

Storage

Storage conditions	Store in dry and frost-free conditions. Protect from direct sunlight.
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Storage life	The product quality is best guaranteed in its unopened original container until its shelf life has expired. This information is included in the batch number on the container. Explanation of batch nos.: digit 1 = last digit of the year, digits 2 + 3 = calendar week, example: 2450013223 - storage life ends at week 45 in 2022 See product packaging
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Identification

GISCODE	RE90 (formerly RE 30)
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Safety	This product is subject to compulsory labelling in accordance with the current EU regulation. Observe the 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 the Internet.

Technical Data Sheet

StoPox GH 406

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