

Technical Data Sheet

StoPox GH 700

EP primer, low-emission (M1)



Characteristics

- Area of application**
- interior
 - exposed to the weather
 - application: horizontal, vertical
 - for concrete and cementitious screed

- Properties**
- low-emission, emission class M1
 - very good adhesive bond on mineral substrates
 - application: roll

- Appearance**
- transparent

- Information/notes**
- 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
Density (mixture 23 °C)	EN ISO 2811	1,04 - 1,11 g/cm ³	

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**
- General:
- Dry, load-bearing
 - Free from separating, native, or foreign substances
 - Remove weak layers.
 - Remove any accumulation of fine concrete particles on the surface.
- Dry substrate:
- Dry in accordance with the definition in EN 1504-10.

Technical Data Sheet

StoPox GH 700

Substrate temperature: at least +12 °C, 3 K above the dew point
Bond strength, average: 1.5 N/mm²
Bond strength, lowest single value: 1.0 N/mm²

Preparations

1) Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

Example:

- Diamond grinding
- Shot-blasting
- Abrasive blasting

Application

Application temperature

Application temperature, humidity:
minimum temperature: +12 °C
Maximum temperature: +25 °C
relative air humidity: maximum 95 %

Time for application

At +23 °C: approx. 30 minutes

Mixing ratio

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

Material preparation

Notes:

- Component A and component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions.
- Observe the order of the "Preparing material" steps.
- The material temperature is between +15 °C and +25 °C.
- The temperature of all components is between +15 °C and +25 °C.

Mixing time:

- The length of the mixing time depends on the temperature of the material and the ambient temperature.
- Mix each container for the same length of time.

Possible consequences if mixing times are too long or too short:

- Mixing the product too long will shorten the time for application.

Preparing the material:

- 1) Stir component A.
- 2) Add all of component B.
- 3) Mix the components until the hardener is well distributed, the mixture is homogeneous, and a streak-free mass is produced.

Paddle mixer: slow running mixer, max. 300 rpm

Mixing time: at least 3 minutes

- 4) Ensure that the mixing equipment covers the floor areas and the edge zones of

Technical Data Sheet

StoPox GH 700

the mixing container. The hardener must be evenly distributed.
5) Transfer the mixture to a clean container. Mix the components again.

Consumption	Type of application	Approx. consumption	
	as a primer per layer, depending on the substrate	0,3	kg/m ²

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

A: Priming coat
1) Prepare the substrate.
2) priming, first layer: StoPox GH 700
3) priming, second layer: StoPox GH 700

B: Prime coating and scratch coat
1) Prepare the substrate.
2) Priming: StoPox GH 700
3) Scratch coats: StoPox GH 700 with Sto-Aggregate KS

Application

A: Prime coating

1) Prepare the substrate.

2) Priming, first layer:

- StoPox GH 700

- Apply the mixed material and then evenly rework with a roller.

- Note: Avoid the formation of puddles.

- consumption: approx. 0.3 kg/m², depending on the substrate roughness

3) Priming, second layer:

- StoPox GH 700

- Allow the first layer to cure.

- Apply the mixed material and then evenly rework with a roller.

- Note: Avoid the formation of puddles.

- consumption: approx. 0.3 kg/m², depending on the substrate roughness

B: Prime coating and scratch coat

1) Prepare the substrate.

2) Priming, first layer:

- StoPox GH 700

Technical Data Sheet

StoPox GH 700

- Apply the mixed material and then evenly rework with a roller.
- Note: Avoid the formation of puddles.
- consumption: approx. 0.3 kg/m², depending on the substrate roughness

3) Scratch coats:

- Mix StoPox GH 700 with up to 3 parts by weight of Sto-Aggregate KS.
- Apply the scratch coat to the fresh priming coat.
- Close pores and blow-holes completely.
- consumption of StoPox GH 700: approx. 0.5-1.0 kg/m², depending on the substrate

Notes:

Material consumption, viscosity:

- The viscosity of StoPox GH 700 depends on the temperature.
- Viscosity is increased at low material and project temperatures. This increases the material consumption per m².
- Optionally at high temperatures: add StoDivers ST to improve resistance to flow. weight per cent: maximum 2 %

Curing:

- Fully cured at +23°C: after approx. 7 days
- dust dry: 7 hours at 23 °C
- over-coatable: after 8 to 36 hours at +23 °C

Cleaning the tools	Clean tools with StoDivers EV 100.
---------------------------	------------------------------------

Notes, recommendations, special information, miscellaneous	Observe the general application instructions: - see www.stocretec.de , Products - see technical manual, notes
---	---

Declaration of performance, CE marking:

- The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter

Delivery

Colour shade	transparent
---------------------	-------------

Packaging	combi
------------------	-------

Article number	Name	Container
04598/002	StoPox GH 700 Set	10 kg set

Technical Data Sheet

StoPox GH 700

Storage

Storage conditions	Store in dry and frost-free conditions. Protect from direct sunlight.
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

Identification

Product group	Coating
GISCODE	RE90 (formerly RE 30)

Safety	This product is subject to compulsory labelling in accordance with the current EU regulation. Observe the 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 the Internet.

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
stocretec@sto.com
www.stocretec.de