

Technical Data Sheet

StoCryl GW 100

Impregnation, hydrophobic



Characteristics

- Area of application**
- hydrophobic impregnation for the protection of concrete structures
 - in accordance with the European Construction Products Regulation (EU-CPR)

- Properties**
- reduces the ingress of water and harmful substances dissolved in water
 - regulates the moisture balance
 - increases electrical resistivity
 - good penetration capacity
 - very good bond with the substrate and with subsequent intermediate coats and finishes
 - water-dilutable

- Appearance**
- transparent

- Information/notes**
- product is in accordance with EN 1504-2
 - not suitable for surfaces subject to foot or vehicle traffic
 - component of the StoCretec system in accordance with the DAfStb (German) Repair Guideline 2001-10
 - Surface protection system OS 2 (OS B)

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	0,8 - 1,0 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**
- Requirements on the substrate:
The concrete substrate must be load-bearing and free from native and foreign substances that could interfere with adhesion, as well as from corrosion-promoting components (e.g. chlorides). Remove less strong layers and laitance.
- Dry in accordance with the definition of the DAfStb (German) Repair Guideline 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

Technical Data Sheet

StoCryl GW 100

per cent for C35/45 concrete, measured with a calcium carbide meter.

Preparations

Prepare the substrate using a suitable mechanical process, such as abrasive blasting or high-pressure water blasting (> 800 bar).
Open pores and blow-holes sufficiently.

Application

Application temperature

Lowest application temperature: +8 °C
Highest application temperature: +30 °C

Mixing ratio

Material in accordance with the description / water = 1.0 : 4.0 parts by weight

Material preparation

StoCryl GW 100 must be diluted with water.
Dilution ratio: 1 part by weight of StoCryl GW 100 + 4 parts by weight of water.
The ready-to-use material must be applied on the same day as it is diluted.

Consumption

Type of application

Approx. consumption

concentrate, as a hydrophobic agent/primer

0,04 - 0,05 l/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.

Coating build-up

- 1) Substrate preparation
- 2) Hydrophobic impregnation of StoCryl GW 100
- 3) Coating of StoCryl V 100 or StoCryl V 200

Application

dilute with water in the ratio 1:4 parts by weight

1) Substrate preparation

2) Hydrophobic impregnation

Once substrate preparation is complete, apply StoCryl GW 100 by flooding, i.e. by applying a surplus. A reflective flow curtain should form on vertical surfaces; the material on horizontal surfaces should remain reflective for approx. 5 seconds.

Depending on the absorption capacity of the substrate, apply one or two layers. Leave a maximum of 4 hours of waiting time between the two application cycles. Apply the product uniformly by brush or spraying.

Consumption: approx. 0.2 - 0.25 l/m² per application cycle

3) Coating vertical areas

Carry out coating work with StoCryl V 100 in accordance with the Technical Data

Technical Data Sheet

StoCryl GW 100

Sheet.

Can be finished in-situ by overcoating with StoCryl V 100:
 at +8°C after approx. 12 hours
 at +20 °C after approx. 8 hours
 at +30°C after approx. 4 hours

Cleaning the tools	Clean with water immediately after use. Hardened material can only be removed mechanically.
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Notes, recommendations, special information, miscellaneous	The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual. The minimum material consumption is defined by the tested system!
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Delivery			
Packaging	Can		
	Article number	Name	Container
	00874-016	StoCryl GW 100	3 l can

Storage	
Storage conditions	Store in dry and frost-free conditions. Avoid direct sunlight.
Storage life	In the original container until ... (see packaging).

Identification	
Product group	Hydrophobic impregnation

Safety	This product is subject to compulsory labelling in accordance with the current EU regulation. You will receive an EU Safety Data Sheet with your first order. Please observe the information regarding the handling of the product, its storage, and disposal.
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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.
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Technical Data Sheet

StoCryl GW 100

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.

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