

Technical Data Sheet

StoCryl HC 100

Impregnation, hydrophobic, paste-form



Characteristics

Area of application

- hydrophobic impregnation/primer for the protection of concrete structures (concrete and reinforced concrete)

Properties

- reduces the ingress of water and harmful substances dissolved in water
- regulates the moisture balance
- increases electrical resistivity
- very good penetration capacity
- very good bond with the substrate and with subsequent intermediate coats and finishes
- reduction in chloride absorption
- long contact time
- active agent content: 80 % silane

Information/notes

- surface protection system OS 1 (OS A)
- component of the StoCretec system in accordance with the DAfStb (German) Repair Guideline 2001-10
- surfaces subject to foot or vehicle traffic on request
- product is in accordance with EN 1504-2

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811-2	0,9 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 substrate must be dry, load-bearing, and free from native and foreign release agents.
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

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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.

Waiting time after rain is approx. 24 hours.

Concrete surfaces to be impregnated should be at least 28 days old.

Preparations

If substrate preparation is necessary, cleaning with a brush or high-pressure water jets is recommended. After cleaning with high-pressure water jets, make sure that the concrete surface is left to dry for a sufficient amount of time (approx. 2 days).

Application

Application temperature

Lowest application temperature: +8 °C
Highest application temperature: +30 °C
relative air humidity: < 85 %

Material preparation

Ready-to-use, stir thoroughly before application.

Consumption

Type of application

Approx. consumption

as hydrophobic impregnation

0,2 - 0,4 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.

Coating build-up

DAfStb (German) Repair Guideline OS 1 (OS A)
1) Substrate preparation
2) Hydrophobic impregnation of StoCryl HC 100

Application

DAfStb (German) Repair Guideline OS 1 (OS A)

1) Substrate preparation

2) Hydrophobic impregnation

Apply undiluted StoCryl HC 100 to concrete in the required layer thickness.

For smaller surfaces, application is possible with a brush, lambswool roller, or spatula.

For large surfaces, use the airless spray method to apply undiluted StoCryl HC 100 to concrete in the required layer thickness.

Select the pressure setting so that as little fog as possible develops.

Consumption: approx. 0.2 - 0.4 kg/m²

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Protective measures:

If applying using the airless spray method, ensure that StoCryl HC 100 does not settle on the road surface, e.g. via the overspray. Even a thin film of material can considerably reduce tyre grip. Ensure that overspray does not settle on passing vehicles. Visibility can be impaired especially if the windscreen is contaminated.

Note:

After application, ensure that the hydrophobed surfaces are still protected against splash water or rainfall for approx. 24 hours.

StoCryl HC 100 can be reworked with products such as StoCryl HC 100 and StoCryl HG 200. Reworking with the sealers (StoCryl V 100, StoCryl V 200, StoCryl EF) and coatings (StoCryl RB) is also possible when using the product as a hydrophobic prime coating.

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.
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The minimum material consumption is defined by the tested system!

Delivery

Packaging	pail		
	Article number	Name	Container
	01636-001	StoCryl HC 100	25 kg pail

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
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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.
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Please observe the information regarding the handling of the product, its storage, and disposal.

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.

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