

Technical Data Sheet

StoCryl HG 200

Impregnation, hydrophobic, gel-like



Characteristics

Area of application

- as deep hydrophobic impregnation to protect concrete structures (concrete and reinforced concrete)
- as preventive protection against chloride corrosion

Properties

- prevents the ingress of water and harmful substances dissolved in water
- very good depth of penetration
- very high hydrophobic effect
- regulates the moisture balance
- increases electrical resistivity
- very high active agent content
- very long contact time
- very good application properties

Appearance

- transparent

Information/notes

- product is in accordance with EN 1504-2
- surfaces subject to foot or vehicle traffic on request
- hydrophobic impregnation (class II)

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	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 weak layers and laitance if applying film-forming surface protection systems on top.

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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 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: +5 °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	675	ml/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

- 1) Substrate preparation
- 2) Hydrophobic impregnation of StoCryl HG 200

Application

- 1) Substrate preparation
- 2) Hydrophobic impregnation
 The airless spray process is used to apply StoCryl HG 200 undiluted to concrete in the required layer thickness.
 Select the pressure setting so that as little fog as possible develops.

Application is completed in a single cycle.

Consumption approx. 0.5 - 1.0 l/m²

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Protective measures:

StoCryl HG 200 must not be allowed to settle on the road surface during application (via the overspray, for example). 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 HG 200 can be finished in-situ with sealants (StoCryl V 100, StoCryl V 200). Clean the surface thoroughly before applying an in-situ finish. The carrier material of StoCryl HG 200 should be removed by brushing or with high-pressure water jets so that no residue remains.

The in-situ finish is applied in accordance with the Technical Data Sheets.

Can be finished in-situ by overcoating with StoCryl V 100 or StoCryl V 200:
At > +8 °C after one week.

Cleaning the tools	Clean with StoDivers EV 100 immediately after use.
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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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Delivery

Packaging	Pail
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Article number	Name	Container
01806-004	StoCryl HG 200	20 l pail

Storage

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