

Technical data sheet

StoCryl HG 200

Hydrophobic impregnation, gel



Characteristics

Areas of application

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

Properties

- prevents water and harmful substances dissolved in water from penetrating
- very high depth of penetration
- very high hydrophobic effect in the entire concrete surface zone
- regulates the moisture balance
- increases electrical resistance
- 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
- walkable or passable surfaces on request
- Hydrophobic impregnation (class II)

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Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811	0.9 g/cm ³	

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that 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 characteristic or dissimilar separating substances.
Less solid layers and slurry accumulations must be removed if subsequent film-forming surface protection systems are to be applied.

Dry in accordance with the definition of the restoration guideline 2001-10, depending on the concrete quality, however. The residual moisture may amount to max. 4 weight per cent in case of concrete qualities of up to C30/37 and max. 3 weight per cent in case of C35/45 concrete, measured with the CM device.

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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. At the same time observe that after cleaning with high-pressure water jets, sufficient time is ensured for the concrete surface to dry (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 agent	675	g/m ²

Material consumption depends on, among other factors, the application, substrate and consistency. The stated consumption values are only to be used as a guide. If required, precise consumption values should be determined on the basis of the specific project.

Coating procedure

1. Surface preparation
2. Hydrophobic coating with StoCryl HG 200.

Application

- 1) Surface preparation

2. Hydrophobic coating:

The airless spraying method is used to apply StoCryl HG 200 undiluted to concrete in the required layer thickness.

The pressure setting should be selected so that as little fog as possible develops.

The material is applied in one layer.

Consumption approx. 0.5 - 1.0 l/m²

Protective measures:

During application it must be observed that StoCryl HG 200, for example via the spray mist, does not settle on the road surface. Even a thin film of material can reduce the grip considerably. It must also be ensured that spray mist does not form on passing vehicles. Visibility can be impaired especially if contamination of the windscreen occurs.

Note:

Following application, it must be ensured that the fresh film has to be protected from water spray and rain for 24 hours.

StoCryl HG 200 can be overcoated with the sealing coats (StoCryl V 100, StoCryl V 200). The surface must be thoroughly cleaned before overcoating. The carrier

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material of StoCryl HG 200 should be removed by brushing or with high-pressure water jets so that no residue remains.

The sealing coat is applied in accordance with the Technical Data Sheets.

Over-coatable with StoCryl V 100 or StoCryl V 200:

At > +8°C after one week.

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

Indications, recommendations, special information, miscellaneous The statement(s) of conformity can be obtained in the StoCretec Technical Information Centre
General application instructions can be found at www.stocretec.de (Products) and in the appendix of the current manual "Technical Data Sheets"

Delivery

Packaging bucket

Article number	Designation	Container
01806-004	StoCryl HG 200	20 l pail

Storage

Storage conditions Store in dry and frost-free conditions.

Storage life In the original container until ... (see packaging).

Certificates/approvals

10/6623-381	StoCretec OS 1.4
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Identification

Product group Hydrophobic impregnation

Safety This product is subject to compulsory designation under EU law. You will receive an EU Health & 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 or data 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. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation. Where no approval is given, such applications are at the risk of the user. This applies particularly to combinations 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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