

Technical Data Sheet

StoCryl HP 100

Impregnation, hydrophobic



Characteristics

Area of application	as hydrophobic impregnation for the protection of concrete structures
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 to the substrate and subsequent coatings - solvent-containing
Appearance	transparent
Information/notes	- product is in accordance with EN 1504-2 - component of the surface protection systems OS 1 and OS 2 in accordance with DIN V 18026 - not suitable for surfaces subject to foot or vehicle traffic

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811-2	0,8 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 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.
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Preparations	Prepare the substrate using a suitable mechanical process, such as abrasive
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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

Material preparation Ready-to-use, stir thoroughly before application.

Consumption	Type of application	Approx. consumption
	as hydrophobic impregnation	0,2 - 0,25 l/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 OS 1: StoCretec 1.2 surface protection system

- 1) Substrate preparation
- 2) Hydrophobic impregnation of StoCryl HP 100

OS 2: StoCretec 2.2 surface protection system

- 1) Substrate preparation
- 2) Hydrophobic impregnation of StoCryl HP 100
- 3) Coating of StoCryl V 100 (layer 1)
- 4) Coating of StoCryl V 100 (layer 2)

Application

OS 1: StoCretec 1.2 surface protection system

- 1) Substrate preparation
- 2) Hydrophobic impregnation
Apply StoCryl HP 100 in one or more application cycles, depending on the absorption of the substrate.
Apply StoCryl HP 100 wet-on-wet by brush or by spray.

OS 2: StoCretec 2.2 surface protection system

- 1) Substrate preparation
- 2) Hydrophobic impregnation
Apply StoCryl HP 100 in one or more application cycles, depending on the absorption of the substrate.

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Apply StoCryl HP 100 wet-on-wet by brush or by spray.

3) Coating of StoCryl V 100 (layer 1)

4) Coating of StoCryl V 100 (layer 2)

Observe the Technical Data Sheet for StoCryl V 100!

Cleaning the tools	Clean with StoFluid AF 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	Can
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Article number	Name	Container
01641-001	StoCryl HP 100	10 l can

Storage

Storage conditions	Store in dry and frost-free conditions. Avoid direct sunlight.
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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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GISCODE	BSL50
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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.
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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. 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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