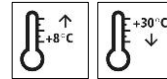


# Technical Data Sheet

## StoCryl HC 100

Impregnation, hydrophobic, paste-form



### Characteristics

**Area of application**

- Hydrophobic impregnation/primer to protect 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

Criteria	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811-2	0.9 g/cm <sup>3</sup>	

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

**Requirement**

The substrate must be dry, load-bearing, and free from native and foreign release agents. Remove weak layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class.

Residual moisture may amount to max. 4 wt % for concrete in strength classes up to C30/37 and max. 3 wt % 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.

**Preparation**

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).

# Technical Data Sheet

## StoCryl HC 100

### 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 impregnation	0.2 - 0.4 kg/m <sup>2</sup>

Material consumption/mix design 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/m<sup>2</sup>  
 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**      Tools must be cleaned immediately after use with clean water. Hardened material can only be removed mechanically

**Notes, recommendations, special information, miscellaneous**      Please consult the local sales office for further information and any site assistance required.

# Technical Data Sheet

## StoCryl HC 100

### Delivery

Packaging	Article No.	Name	Packing
	01636-001	StoCryl HC 100	25 kg

### Storage

**Storage conditions** Store in cool dry conditions; avoid direct sunlight.

**Storage life** This product has a shelf life of 12 months from the manufacturing date.

### Identification

**Product group** Hydrophobic agent

**Safety** Please refer to Safety Data Sheet.

### 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 [www.sto-sea.com](http://www.sto-sea.com).

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\*Product images may differ from the actual product.