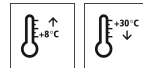


## Technical data sheet

### StoCryl GW 100

Hydrophobic impregnation



#### Characteristics

##### Areas of application

- hydrophobic impregnation/prime coating to protect load-bearing structures (concrete and reinforced concrete)

##### Properties

- reduces the penetration of water and harmful substances dissolved in water
- regulates the moisture balance
- increases electrical resistance
- good penetration capacity
- very good bond with the substrate and with subsequent intermediate or top coats
- water-dilutable

##### Appearance

- transparent

##### Information/notes

- product is in accordance with EN 1504-2
- not for surfaces subject to foot or vehicle traffic
- component of the StoCretec system in accordance with the Restoration Guideline 2001-10
- Surface protection system OS 2 (OS B)

#### Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811	0.8 - 1.0 g/cm <sup>3</sup>	

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 concrete substrate must be load-bearing and free from characteristic or dissimilar separating substances as well as from corrosion-promoting components (e.g. chloride). Less solid layers and slurry accumulations must be removed.

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.

##### Preparations

The substrate must be prepared by a suitable mechanical process such as blasting with solid abrasives, or high-pressure water jets (> 800 bar).

## Technical data sheet

### StoCryl GW 100

Pores and shrinkage holes must be opened sufficiently.

#### Application

**Application temperature**      Lowest application temperature: +8°C  
 Highest application temperature: +30°C

**Mixing ratio**      Material in accordance with the description / water = 1.0 : 4.0 parts by weight

**Material preparation**      StoCryl GW 100 must be diluted with water.  
 Thinning ratio: 1 part by weight of StoCryl GW 100 + 4 parts by weight of water.  
 The ready-to-use material must be applied on the day of the thinning.

Consumption	Type of application	Approx. consumption	
	concentrate as impregnation/priming coat	0.04 - 0.05	l/m <sup>2</sup>

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) Priming hydrophobic coating with StoCryl GW 100.
- 3) Sealing with StoCryl V 100, StoCryl V 200

**Application**      thinning with water in the ration 1:4 parts by weight

- 1) Surface preparation
- 2) Primer/hydrophobic agent:
 

Once substrate preparation is complete, apply StoCryl GW 100 by flooding, i.e. by applying a surplus. A reflective flow curtain should form on vertical surfaces, the material on horizontal surfaces should remain reflective for approx. 5 seconds.

Depending on the absorption capacity of the substrate, it must be applied once or twice.  
 There should a max. 4 hours of waiting time between the two application cycles.  
 The product is applied uniformly by brush or spraying.

Consumption: approx. 0.2 - 0.25 l/m<sup>2</sup> per application cycle
- 3) Sealing of vertical surfaces
 

Sealing is carried out with StoCryl V 100 in accordance with the Technical Data Sheet.

Over-coatable with StoCryl V 100:  
 at +8°C after approx. 12 hours  
 at +20°C after approx. 8 hours  
 at +30°C after approx. 4 hours

## Technical data sheet

### StoCryl GW 100

**Cleaning the tools** Clean with water immediately after use, hardened material can only be removed mechanically.

**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](http://www.stocretec.de) (Products) and in the appendix of the current manual "Technical Data Sheets"

The minimum material consumption is defined by the tested system!

#### Delivery

**Packaging** Can

Article number	Designation	Container
00874-012	StoCryl GW 100	3 l can

#### Storage

**Storage conditions** Store in dry and frost-free conditions; avoid direct sunlight.

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

#### Certificates/approvals

09/6250/OS-2.1-347 StoCretec OS 2.1

#### 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.

## Technical data sheet

---

### **StoCryl GW 100**

StoCretec GmbH  
Gutenbergstr. 6  
D-65830 Kriftel

Tel.: +49 6192 401-104  
Fax: +49 6192 401-105  
stocretec@sto.com  
www.stocretec.de