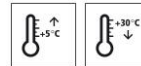


# Technical Data Sheet

## StoCryl EM 110

Polymer dispersion for producing  
StoCrete TG 114 and StoCrete TG 118



### Characteristics

#### Area of application

- for mixing StoCrete TG 114 and StoCrete TG 118

#### Properties

- optimised fresh mortar properties, e.g. application, non-sag properties
- improved solid mortar properties, e.g. bond strength, flexural strength, modulus of elasticity, shrinkage, swelling, reduced crack formation
- polymer dispersion as plastic additive
- liquid component for creating concrete repair product as PCC I in two-component system StoCretec PCC I.2 and StoCretec PCC I.3

#### Information/notes

- product is in accordance with EN 1504-3

### Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811-2	1,01 g/cm <sup>3</sup>	
Viscosity (at 23 °C)	EN ISO 3219	20 - 24 mPa.s	Flow time in 3 mm DIN cup

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

General:

- Load-bearing
- Free from native or foreign substances that could interfere with adhesion, and corrosion-promoting substances such as chlorides

- Remove weak layers.
- Remove any accumulation of fine concrete particles on the surface.

Damp substrate:

- Damp in accordance with the definition in EN 1504-10.

Preparation grade of exposed reinforcing steel following substrate preparation: Sa 2½ in accordance with EN ISO 8501-1.

Bond strength, average: 1.5 N/mm<sup>2</sup>

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Bond strength, lowest single value: 1.0 N/mm<sup>2</sup>

### Preparations

1) Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

Example:

- Shot-blasting
- Milling followed by shot-blasting
- Abrasive blasting
- Water blasting at > 800 bar

- Open pores and blow-holes sufficiently.
- Bevel the edges of the areas of spalling under approx. 45°.

### Application

#### Application temperature

Application temperature:  
minimum temperature: +5 °C  
Maximum temperature: +30 °C

#### Mixing ratio

StoCrete TG 114 + StoCryl EM 110  
40 kg bag + 3.7 l  
StoCrete TG 118 + StoCryl EM 110  
40 kg bag + 3.4 l

#### Material preparation

Prepare material in compulsory mixer:  
1) Decant StoCryl EM 110 mixing liquid.  
2) Switch on the compulsory mixer.  
3) Add the StoCrete TG 114 or StoCrete TG 118 ready mixed dry render while mixing.  
4) Mix the material for 3–5 minutes.

#### Consumption

Type of application	Approx. consumption	
per 40 kg of StoCrete TG 114	3,7	l
per 40 kg of StoCrete TG 118	3,4	l

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.

### Application

Application:  
- The application information is described in the Technical Data Sheets of StoCrete TG 114 and StoCrete TG 118.

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### Cleaning the tools

Clean tools with water immediately after use.  
Remove bonded material by mechanical means.  
Observe environmental protection.

### Notes, recommendations, special information, miscellaneous

Observe the general application instructions:

- see [www.stocretec.de](http://www.stocretec.de), Products
- see technical manual, notes

Declaration of performance, CE marking:

- declaration of performance: see [www.stocretec.de](http://www.stocretec.de)

### Delivery

#### Packaging

Can

Article number	Name	Container
02957-002	StoCryl EM 110	1000 l CONTAINER ONEWAY
02957-001	StoCryl EM 110	25 l can

### Storage

#### Storage conditions

Store in dry and frost-free conditions.

#### Storage life

Shelf life of 6 months in the unopened container. (See packaging for the date of manufacture).  
Reclose opened containers so that they are airtight and use within 3 weeks.

### Identification

#### Product group

Mixing liquid

#### GISCODE

As yet no GISCODE has been specified by GISBAU for this product group.

### 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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