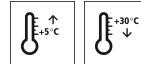


Technical data sheet

StoCryl EM 110

Polymer dispersion for producing
StoCrete TG 114 and StoCrete TG 118



Characteristics

Areas of application

- for mixing StoCrete TG 114 and StoCrete TG 118
- StoCryl EM 110 is the fluid component of the two-component system StoCretec PCC I.2 and StoCretec PCC I.3

Properties

- optimised fresh mortar properties, e.g. application, resistance to flow
- improved solid mortar properties, e.g. adhesive strength, flexural strength, modulus of elasticity, degree of shrinkage and swelling, reduction in crack formation
- polymer dispersion as synthetic admixture for producing a concrete restoration product as PCC I in the 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 regulation	Value/ Unit	Notes
Density	EN ISO 2811-2	1.01 g/cm ³	
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 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

Technical data sheet

StoCryl EM 110

Requirements

Requirements on the substrate:

The concrete substrate must be load-bearing and free from native and foreign substances that have a separating action, as well as from corrosion-promoting components (e.g. chlorides).

Remove less solid layers and laitance.

Damp in accordance with the definition in the DAfStb (German) Repair Guideline 2001-10.

The cleanliness grade of the exposed reinforcing steel following substrate preparation: Sa 2 1/2 in accordance with EN ISO 8501-1.

Average tensile bond strength 1.5 N/mm²

Tensile bond strength of the single smallest value 1.0 N/mm²

Preparations

Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, abrasive blasting, or high-pressure water blasting (> 800 bar).

Bevel the edges of the areas of spalling under approx. 45°.

Application

Application temperature

Lowest application temperature: +5 °C
Highest application temperature: +30 °C

Mixing ratio

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

Material preparation

Compulsory mixer: decant the mixing liquid StoCryl EM 110 and while the mixer is running, add the pre-blended dry mortar StoCrete TG 114 or StoCrete TG 118. Mix for approx. 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.

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Application

For application see the Technical Data Sheets for StoCrete TG 114 and StoCrete TG 118

Cleaning the tools

Clean with water immediately after use; hardened material can only be removed mechanically., Observe environmental protection.

Indications, recommendations, special information, miscellaneous

The Declaration(s) of Conformity can be obtained from the StoCretec Technical Information Centre
General application instructions can be found at www.stocretec.de (Products) and in the latest issue of the "Technical Data Sheets" manual, in the appendix.

Delivery

Packaging

can

Article number	Designation	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

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

Max. 6 months.

Please observe the guaranteed storage life data on the batch no. shown on the container.

Explanation of batch number: e.g. 9450013223

In the example, storage life until the end of week 45 in 2009 (digit 1 = last digit of the year, digits 2 + 3 = calendar week) is guaranteed. For further explanation, see the price list.

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Certificates/approvals

P 4221/05-269	StoCretec PCC I.2 - System General building inspection test certificate
09/4221/05-269-367	StoCretec PCC I.2 System Certificate of Compliance
P 4221/09-359	StoCretec PCC I.3 System General building inspection test certificate
09/4221/09-359-366	StoCretec PCC I.3 System Certificate of Compliance

Identification

Product group Mixing liquid

Safety

This product is subject to compulsory designation in accordance with the current EU directive.
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.

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 EM 110

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