

Centricrete UF

Two Component rigid filling cement slurry for the injection in cracks, voids and cavities in concrete and masonry

Product Properties

- Low-viscosity cement suspension based on fine cement
- Long application time
- No change in volume during setting
- Restores alkalinity
- Sulphate-resistant according to SVA method

Areas of Application

- Rigid filling of cracks, joints and voids in building construction and civil engineering under dry, damp and water-bearing conditions

Application

Preparation

Before injection is carried out, the structure's cracks and voids or respectively the leakage, have to be inspected according to technical standards and regulations. An injection proposal is then to be prepared.

Mixing

Centricrete UF consists of component A (binder with additives), component B (Centricrete UF additive) and water (13.5-14.0 l). They are to be mixed homogeneously with one another in the specified mixing ratio in reverse order with rapidly rotating stirrers. Only whole containers may be mixed.

For mixing of the components use a colloidal mixer. For the preparation of an optimal cement suspension, the mixing time of 10 minutes must be observed.

After mixing, the flow time should be checked. It must reach a value of 50-55 s. The standard delivery form (25.03 kg binder) allows the production of approx. 41 kg \approx 24 l suspension for injection.

The application time depends on the amount of mixed material and the surrounding temperature conditions present.

Injection

Centricrete UF should be injected with an injection-pump MC-I 910 (one-component pump).

For the injection MC-Schlagpacker are recommended.

Work must be stopped at temperatures below + 5 °C.

Detailed information on processing is included in the data for the execution of Centricrete UF.

Cleaning

Within the application time all equipment may be cleaned with water. Partially or completely cured material can only be removed mechanically.



Technical Data for Centricrete UF

Characteristic	Unit	Value*	Comments
Mixing ratio	p. b. w.	25.03 : 2.35 : (13.5-14.0)	comp. A : comp. B : water
Density	kg/dm ³	1.65 - 1.75	EN ISO 3675
Time of efflux (flowability)	seconds	approx. 50	DIN EN 14117
Particle size distribution	µm	< 10	
Grinding fineness	cm ² /g	approx. 16 000	DIN EN 196 T6
Compressive strength	1 d 2 d 7 d 28 d	MPa approx. 26 approx. 28 approx. 34 approx. 42	DIN EN 196 T1
Flexural strength	1 d 2 d 7 d 28 d	MPa approx. 2.0 approx. 4.0 approx. 7.0 approx. 7.2	DIN EN 196 T1
E-modulus	MPa	approx. 20 400	DAfStb booklet 422 point 3.5
Change in volume	%	approx. + 2	DIN EN 445
Application time	minutes	approx. 60	subject to permanent stirring or pumping
Min. application temperature	°C	+ 5	air, substrate and material temperature

* All technical values relate to 20 °C and 50 % relative humidity.

Product Characteristics for Centricrete UF

Colour	grey
Cleaning agent	water
Delivery	Centricrete UF 25.03 kg pack Centricrete UF Additive 2.35 kg canister
Storage	Can be stored in original sealed packages at temperatures between + 5 °C and + 30 °C in dry conditions for at least 1 year. The same requirements are valid for transport.
Disposal	Packs must be emptied completely.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets. GISCODE: ZP1/ZP1 liquid

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 05/19. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

