

# Centricrete FB

## Rigid Binding Cement Suspension

### Product Properties

- Low-viscosity cement suspension
- Long pot life
- No change in volume during setting
- Restores alkalinity

### 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, respectively the leakage, have to be inspected according to technical standards and regulations, and an injection proposal is to be prepared.

#### Mixing

Centricrete FB consists of two components, component A (binder with additives), component B (Centricrete Additive) and water. These components must be mixed (for ratio see technical data table) in a fast rotating mixer until homogenous.

A forced mixer should be used for mixing. The injectability of the suspension can be increased considerably by using a colloidal mixer. To achieve an optimal cement suspension the mixing should take at least 10 minutes.

The standard pack (20 kg binding agent) allows

the production of 32.4 kg  $\approx$  19 l suspension for injection.

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

#### Injection

Centricrete FB 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.

#### 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 FB

Characteristic	Unit	Value *	Comments
Mixing ratio	p. b. w.	20 : 0.4 : 11.4-12	comp. A : comp. B : water
Density	kg/dm <sup>3</sup>	1.7	EN ISO 3675
Time of efflux (flowability)	seconds	approx. 50	DIN EN 14117
Grinding fineness	cm <sup>2</sup> /g	approx. 5100	DIN EN 196 T6
Compressive strength	MPa	22 (after 2 days) 36 (after 7 days) 44 (after 28 days)	DIN EN 196 T1
Flexural strength	MPa	3.0 (after 2 days) 3.7 (after 7 days) 4.0 (after 28 days)	DIN EN 196 T1
E-modulus	MPa	approx. 9,000	DAfStb Heft 422 Pkt. 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 FB

Colour	grey
Cleaning agent	water
Delivery	Centricrete FB 20 kg pack Centricrete Additive 10 kg canister
Storage	Can be stored in original sealed packages at temperatures between + 5 °C and + 25 °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

**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 02/12. 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.