

Centrlit Fume SX

Silica Suspension

Product Properties

- Increases the concrete-density
- Increases the concrete-strength
- Improves the ratio tensile / compressive strength
- Increases the corrosion-resistance
- Increases the chemical-resistance
- Improves the abrasion-strength

Areas of Application

- High-strength concrete
- Precast concrete
- Shotcrete
- Concrete with high resistance against chemicals

Application Notes

The Centrlit Fume SX particles are 50 to 100 times smaller than the cement particles. It fills the voids between the cement particles, more or less completely depending on the degree of dispersion.

During hydration, Centrlit Fume SX reacts with the free lime of the cement into calcium hydro-silicate, a consistent, durable compound. It also forms a denser concrete.

This greatly increases the strength of the concrete, and the higher concrete-density also leads to an improved corrosion-protection.

Due to the improved structural cohesion, the concrete can be pumped more easily. It also adheres better to substrates and reinforcements.

Centrlit Fume SX is not harmful to drinking-water. The relevant regulations for the manufacture, processing and curing of concrete and reinforced concrete must be observed. The necessary suitability tests must be performed.

Homogenize daily Centrlit Fume SX during storage and immediately before use, by pumping, stirring or shaking, to prevent sedimentation.

For further information, please call our concrete-technology consulting-service.

Phone: +49-2041/101-50

In the interest of our environment please empty the packs completely. Exchange containers must be closed and protected from contaminants. We can only accept completely emptied containers.

Technical Data for Centrilit Fume SX

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.38	-
Recommended Dosage	%	max. 11	based on the solid matter
Solids Content	%	48 - 52	

Product Characteristics for Centrilit Fume SX

Type of Admixture	silica suspension, category I EN 13263-1
Name of Admixture	Centrilit Fume SX
Colour	grey
Consistency	liquid
Certificate of Conformity of the factory production control	0770-CPD
Notified Authority	Kiwa MPA Bautest GmbH, Berlin
Internal Production Supervision in accordance with DIN EN ISO 9001 / EN 13263-1	
Storage	Protect from frost and strong sunlight. Attention: Agitate or recirculate Centrilit Fume SX daily, can be stored for at least 6 months.
Form of Delivery	230 kg barrels 1,000 kg containers

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

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 05/14. 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.