



Centrament Proof HL 20 (form. Centrament HM 20)

Water resisting admixture for concrete and mortar

Product Properties

- Hydrophobic effect on concrete and mortar
- Improved durability
- Increased freeze-thaw resistance
- Free of corrosion-promoting components

Areas of Application

- Ready-mixed concrete
- Reinforced concrete
- Pumped concrete
- Concrete for basins, pools, water storage towers, tunnels, dams
- Cementitious mortars
- Exposed exterior plasters

Application Notes

Centrament Proof HL 20 is a mass hydrophobization product improving the durability of concrete and mortar by reduction of the capillary suction and penetration of water into the structure.

The resistance against a diversity of damaging mechanisms like repeated freeze-thaw cycles or chemically aggressive water is increased.

Centrament Proof HL 20 is particularly suitable for concrete with partial or permanent exposure to

moisture and water like dams and basins but also tunnels and in regions with severe winter conditions.

Centrament Proof HL 20 can be applied in combination with all standard cement types. The dosage required for specific performance criteria has to be determined by trials.

Please note the "General Information on the Use of Concrete Admixtures".



Technical Data for Centrament Proof HL 20

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.03	+/- 0.02 kg/dm ³
Dosage range	g	2 - 50	per kg of cement
Max. chloride content	%-Mass	≤ 0.1	
Max. alkali content	%-Mass	≤ 2.0	

Product Characteristics for Centrament Proof HL 20

Type of Admixture	Water resisting admixture according to EN 934-2: T 9
Name of Admixture	Centrament Proof HL 20
Colour	white
Consistency	liquid
Certificate of Conformity	0754-CPR
Notified Authority	MPA, Karlsruhe
Internal Production Supervision	In accordance with DIN EN ISO 9001 / DIN EN 934-6
Form of Delivery	200 kg barrel 1,000 kg container

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 05/20. 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.