Centrament Retard 388

Setting Retardant

Product Properties

- Free of corrosion promoting components
- Reduces working joints
- Possible re-vibration or later vibration
- Improves the properties of the settled concrete:
    - More homogenous concrete-structure
    - Higher compressive and tensile strengths
    - Increased imperviousness to water
    - Lower overall material shrinkage and creep
    - Improved resistance against aggressive elements

Areas of Application

- Ready-mixed concrete
- Freshly-mixed concrete
- Bulk concrete
- Waterproof concrete

Application Notes

Centrament Retard 388 is a setting retardant, free of chlorides and other steel-aggressive contents.

Centrament Retard 388 has the following effects on fresh concrete:
Improves the workability within a desired processing period.

Reduces working joints.

Allows a re-compacting or later compacting (re-vibration), as the concrete remains in its green phase over a longer period of time. Excess added water escapes, still existing and/or newly formed voids are filled, and cracks, which have formed in fresh concrete subsequently, are closed, creating a concrete with a very low solid void volume.

Improves the transportability and pumpability.

A retarded concrete usually has an increased final strength.

Centrament Retard 388 can be used with all standard cements. It is added during mixing.

The prescribed mixing times, as well as the relevant regulations for the manufacture, processing and curing of setting retarded concrete, pre-stressed concrete, etc. must be observed.

The necessary suitability tests must be performed.

The setting retardation is very much dependant on the type of cement, the temperatures of concrete and surroundings, the concrete composition and other factors. The necessary dosage should be determined by trial runs under site-conditions. If any of the conditions change during construction, new trial runs should b performed under the changed conditions.

Please note the “General Information on the Use of Concrete Admixtures”.

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Technical Data for Centrament Retard 388			
Characteristic	**Unit**	**Value**	**Comments**
Density	kg/dm³	approx. 1.09	-
Recommended Dosage	%	0.5 – 1.5	To total binder
Max. Chloride Content	%	< 0.10	per weight
Max. Alkali Content	%	< 12.0	per weight

Product Characteristics for Centrament Retard 388	
Type of Admixture	retarding agent
Name of Admixture	Centrament Retard 388
Colour	colourless
Consistency	liquid
Internal Production Supervision in accordance with DIN EN ISO 9001 / DIN EN 934-2/6	
Form of Delivery	205 Liter barrels IBC 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.

Edition 08/19. 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.

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