

DARAGROUT® 188 (EH)

TRICOSAL 188 (EH)

Non-shrink grout admixture for use with injection grouts at controlled increase in volume, very high flowability and early strength

Additive for non-shrink grout acc. to EN 934-4:T2

Fields of Application

DARAGROUT® 188 (EH) is a grout admixture for injection grouts in pre-stressed concrete. It compensates the plastic shrinkage and settlement of the cementitious grout in the ducts containing the steel tendons and secure an effective bond between the tendons and the post-tensioned concrete structural members. Therefore, the protection against corrosion of the pre-stressed elements is secured. Further fields of application include the manufacture of highly flowable cement grout for injection into voids and for a complete filling, e.g. in underground cavity and tunnel constructions, brickwork constructions, improving properties of the ground by consolidating cross injections, as e.g. underpinning of foundations, water sealing of dam projects (grout curtain), large field injections for waterproofing and compaction of the substrate of tunnels. The product is particularly used when high early strength is required.

Technical Data

Effective Component	aluminium powder
Form	powder
Homogeneity	homogeneous (tested acc. to DIN V 20000-101, annex A)
Colour	white to light grey
Dry material content	> 93.0 m.-%
Bulk Density	650 ± 50 kg/m ³
pH-value	9.0 ± 1 (3% suspension)
Total chloride content	< 0.10 m.-%
Water-soluble chloride content	< 0.10 m.-%
Alkali content	approx. 6.0 m.-%
Storage	Keep dry and well closed in original containers.
Recommended Dosage	0.20–1.50 m.-% of cement
Delivery Form	25 kg sacks; 20 kg boxes (40 bags per 500 g)
Physiological effect	May irritate skin and eyes; see MSDS.
Shelf-life	approx. 1 year in closed original containers

Properties/Mode of Action

DARAGROUT® 188 (EH) allows a significant reduction in the water demand and in bleeding as well as a considerable increase of flowability, even at higher temperatures, and controlled swelling properties to compensate the natural settlement of the cement paste. Both, durability and strength of the injection grout are obtained. Usually, DARAGROUT® 188 (EH) has no retarding effects.

Dosage and Use

DARAGROUT® 188 (EH) is pre-dosed into the gauging water or into the cement gel, subsequently the cement is slowly added. Mixing should be finished after 4 minutes at latest. To prevent segregation of the grout it must constantly be kept moving in the storage container.

Special Information

Suitable for use with injection grouts in pre-stressed concrete. When using non-shrink grout admixtures with chromate-reduced cements, unexpected side-effects may occur, e.g. changed course of setting or hardening. Preliminary tests according to official national standards are always required before use! Status: 01/ 2009

Visit our website at: www.graceconstruction.com

Grace Bauprodukte GmbH Pyrmonter Straße 56 32676 Lügde Tel.: +49 (52 81) 77 04-0

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