

DARAGROUT[®] 193 (EH)

Non-shrink grout admixture for use with injection grouts requiring controlled expansion and high flowability Additive for non-shrink grout acc. to EN 934-4:T2

Fields of Application

DARAGROUT[®] 193 (EH) is a grout admixture for injection grouts in pre-stressed concrete. Grout admixtures compensate 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 posttensioned concrete structural members. Therefore, the protection against corrosion of the prestressed 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 via 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.

Properties/Mode of Action

DARAGROUT[®] 193 (EH) enables 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.

Dosage and Use

DARAGROUT[®] 193 (EH) is pre-dosed into the gauging water, subsequently the cement should be slowly added. Mixing should be finished after 4 minutes at latest. To prevent segregation of the grout, it must be constantly mixed in the storage container.

Technical Data

Effective Component	aluminium powder
Form	powder
Homogeneity	homogeneous (tested acc. to DIN V 20000-101, annex A)
Colour	light brown
Dry material content	> 90,0 M.-%
pH-value	9,3 ± 1 (3% suspension)
Total chloride content	< 0.10 m.-%

Water-soluble chloride content	< 0.10 m.-%
Alkali content	< 0.5 m.-%
Storage	Keep dry and well closed in original containers.
Recommended Dosage	0.20–2.00 m.-% of cement
Physiological effect	May irritate skin and eyes; see SDS
Shelf-life	approx. 2 years in closed original containers

Special Information

Suitable for use with injection grouts in pre-stressed concrete. When using non-shrink grout admixtures with chromate-reduced cements, there may be unexpected side-effects, e.g. changes in setting or hardening.

Preliminary tests according to official national standards are always required before use!

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