

DARAGROUT[®] 187 (EH)

Additive for non-shrink grout acc. to EN 934-4:T2 Non-shrink grout admixture for use with injection grouts at controlled increase in volume and high flow-ability

Fields of Application

DARAGROUT[®]187 (EH) is a grout admixture for injection grouts in prestressed 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 post-tensioned 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.

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	97,1 ± 2,95 m.-%
pH-value	7.5 ± 1 (3% suspension)
Total chloride content	< 0.10 m.-%
Water-soluble chloride content	< 0.10 m.-%.
Alkali content	approx. 6.0 m.-%
Storage	2Keep dry and well closed in original containers
Recommended Dosage	0.20–2.00 m.-% of cement
Delivery Form	25 kg sacks; 25 kg boxes (50 bags with 500 g)
Physiological effect	May irritate skin and eyes; see SDS
Shelf-life	approx. 1 year in closed original containers

Properties/Mode of Action

DARAGROUT 187 (EH) allows a significant reduction in the water demand and in bleeding as well as a considerable increase of flow-ability, 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

Dosage and Use

DARAGROUT 187 (EH) is pre-dosed into the gauging water, subsequently the cement is 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.

Special Information

Suitable for use with injection grouts in prestressed concrete. When using non-shrink grout admixtures with chromate-reduced cements, there may be unexpected side-effects, e.g. changed course of setting or hardening. Preliminary tests according to official national standards are always required before.

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GCP0082-1216 DARAGROUT-187-EH_DE-EN

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Last Updated: 2025-05-13

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