

# EINPRESSHILFE 190 (EH)

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

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## Product Description

Non-shrink grout admixture for use with injection grouts requiring controlled expansion and high flowability.

## Fields of Application

EINPRESSHILFE 190 (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

EINPRESSHILFE 190 (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

EINPRESSHILFE 190 (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.

## Special Information

Suitable for use with injection grouts in pre-stressed concrete. When using non-shrink grout admixtures with chromatereduced 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!

Status: 08/ 2016

## Technical Data

### EINPRESSHILFE 190 (EH)

Effective Component	aluminium powder
Form	powder
Homogeneity	homogeneous (tested acc. to DIN V 20000-101, annex A)
Color	light yellow
Dry material content	96.5 ± 3.5 m.-%
pH-value	8.0 ± 1 (3% suspension)
Total chloride content	< 0.10 m.-%
Water-soluble chloride content	< 0.10 m.-%
Alkali content	< 1.0 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

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GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

P. O. Box 5006, Office 2104, 21 Floor, The Exchange Tower, Opp. JW Marriott Marquis Hotel, Business Bay, Dubai – United Arab Emirates

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Last Updated: 2025-05-15

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