

INJEKTING K

*Admixture for cement injection grouts, grouts for prestressing tendons and mixtures for grouting and repair
In compliance with EN 934-4*

FIELD OF APPLICATION

It is used as an admixture for preparation of cement injection grouts intended grouting tendons in prestressed beams, injection of geotechnical anchors, injection of cracks during the repair of concrete elements, filling of cavities in soil or rock masses, etc.

PROPERTIES

- It enables water reduction for preparation of cement injection grouts;
- It provides high fluidity and flow of the injection grout when the W/C ratio is low ($W/C < 0.42$);
- Reduces or eliminates the occurrence of water separation and segregation of the fresh injection grout
- It reduces/compensates the shrinkage of the cement injection grout or causes slight expansion;
- It increases the strength of the hardened injection grout;
- It increases the resistance of the injection grout to ice and salts.
- Depending on the required performance, Injektung K can be used alone or in combination with admixtures from the group of polycarboxylate-based Superplasticizers;

TECHNICAL FEATURES

PROPERTY	DECLARATED VALUES
Appearance	Grey powder
Chloride content	<0,1%
pH value (2% water solution)	11,0-13,0

METHOD OF APPLICATION AND DOSAGE:

Dosage: For the preparation of the injection grout of prestressing tendons, the recommended dosage of INJEKTING K is 4.0% of the cement mass. If INJEKTING K is used in combination with admixtures from the group of superplasticizers (Superfluid 21), the dosage can be reduced.

Preparation of the injection grout:

If possible, INJEKTING K is mixed with the cement in a dry process, after which the specified amount of water is added while constantly mixing until a homogeneous mixture without lumps is obtained. If a superplasticizer is used in the mixture, it is dosed together with the water. Before placing the injection grout in the injector, the grout should be sieved.

The effect of INJEKTING K can vary depending on the type of cement used, which is why, before starting work, it is necessary to carry out preliminary tests in order to determine the optimal dosage of the admixture to meet the required quality conditions of the injection grout.

CLEANING


Tools and equipment are cleaned with water immediately after their use.

PACKAGING

Bags: 4 kg
Bags: 15 kg

STORAGE

In the original closed packing, in dry premises at temperature between 5°C and 35°C. Shelf life: 12 months.

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ADING AD Skopje, Novoselski pat (ul 1409) br.11 1060 Skopje, North Macedonia 23 GBBA001/1 EN 934-4:2009	
INJEKTING K Admixture for cement injection grout EN 934-4	
Bleeding	≤ 2%
Fluidity 30 min after mixing	≤ 25 s
Compressive strength	≥ 30 MPa
Maximum content of chlorine ions:	0,1%
Thiocyanate content:	Contains components only from EN 934-1:2008, Annex A.1
Sulfide content:	Contains components only from EN 934-1:2008, Annex A.1
Range of volume change at 24 h:	-1% ≤ S ≤ 5%
Corrosive behavior:	Contains components only from EN 934-1:2008, Annex A.1
Dangerous substances:	No performance determined

Health hazards: Avoid contact of the material with skin and eyes and avoid inhalation of the material. In case of contact, immediately wash with water and soap. In case of contact with the eyes, rinse immediately with clean running water and seek medical advice. Additional information is provided in the Safety Data Sheet of the product.
Fire: Injekting K is non-flammable. Additional information is provided in the Safety Data Sheet of the product.
Cleaning and disposal: Clean with water. The old and used packaging should be disposed of in accordance with local rules and regulations for that type of waste. We recommend that the method of application and the necessary quantities be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment. Additional information is provided in the Safety Data Sheet of the product.