

# INJEKTING K2

*Admixture for preparation of cement mixtures for injection of pre-stressing cables and cement mixtures for structural repair*

## FIELD OF APPLICATION

It is used as admixture for preparation of expanding cement injection mixtures intended for injection of cables (tendons) in pre-stressed girders, injection of geotechnical anchors, consolidation injection and filling of caverns in incoherent soil and rock masses, contact injection in tunnel construction, for injection or grouting of cracks for repair of concrete elements, etc.

## PROPERTIES

- It provides high fluidity of the injection grout with low W/C ratio ( $W/C < 0.42$ );
- It reduces/compensates the shrinkage of the cement injection grout or causes slight expansion;
- Reduces or eliminates of water secretion ("bleeding") of the fresh injection grout.

## TECHNICAL FEATURES

PROPERTY	DECLARATED VALUES
Appearance	Grey powder
Bulk density	870-930 kg/m <sup>3</sup>
pH value (2% water solution)	11,0-13,0
Water soluble chloride content	≤ 0,1 %
Alkali content (Na <sub>2</sub> O equivalent)	≤ 5%

## METHOD STATEMENT AND DOSAGE

Depending on the required performance, dosage of Injekting K2 ranges from 0.2 to 1.0% from the weight of cement. Injekting K2 is added to the dry cement mixture. With constant stirring, water is added until the required consistency is reached. The amount of water is controlled in order not to exceed the designed W/C ratio. Mixing is done mechanically, until a homogeneous mixture is obtained, but not longer than 5 minutes. Before pouring the mixture into the injector, it must pass through a sieve. The entire process of mixing and applying the grout should not last more than 30 minutes. Prior to use, it is necessary to perform previous tests to determine the correct dosage of the admixture that will meet the required quality requirements of the injection mixture.

## COMPATIBILITY

Injekting K2 is compatible with all types of cement. Depending on the required performance, in addition to Injekting K2 in the cement injection mixture can be dosed other admixture for concrete from the group of plasticizers, superplasticizers, accelerators and retarders, etc. The different admixtures need to be dosed separately (without inter-mixing).

## CLEANING

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

## PACKAGING

Bags: 15 kg

## STORAGE

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

**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 K2 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.