



# CEMENTOL® INJEKTIN F3

**Chemical admixture for:  
injection grouts for prestressing tendons,  
SIST EN 934-4:T2,  
injection grouts for repair works**

## FIELD OF APPLICATION

**Cementol Injektin F3** is a special chemical admixture used for preparing swelling grouts, mortars and concrete for:

- injecting prestressing tendons,
- anchor grouting,
- repair works ,
- filling cavities, etc.

## ACCORDANCE WITH THE SIST EN 934-1 STANDARD: Table 1

Property	Deklarated value
Appearance	brown to grey powder
Water-soluble chloride content	chloride free
Corrosion behaviour	thyocyanates and sulfides free

## ACTION

**Cementol Injektin F3** causes swelling in cement and cement-lime systems. With an appropriate dosage, this compensates for cement / cement + lime shrinking – enables slight expansion. Injection grouts / mortars / concrete can spread equally over the areas where they are placed.

**Cementol Injektin F3** also acts as a plasticizer, enabling the preparation of grouts / mortars / concrete of suitable flowability with low water-cement ratios. This way, segregation is notably reduced and high strength can be achieved. This is very important when preparing injection grouts for prestressed tendons, where prescribed fluidity and compressive strengths must be achieved using CEM I with greater specific surface and water-cement ratio max. 0,44.

## DOSAGE AND INSTRUCTIONS FOR USE

- **Cementol Injektin F3** is added into the dry mixture of cement / cement and fillers. The dosage varies with the composition of the mixture:
  - Pure cement grouts -  
injection grouts for prestressing tendons: 0,2 – 0,4 % of cement weight
  - Mortars and concrete: 0,4 – 1,0 % of cement weight
  - Mixtures (cement + lime) 0,2 – 0,4 % of binder (cement + lime) weight
- Add **Cementol Injektin F3** to the dry mixture (cement / cement + lime / cement + sand). Mix well, then add water until obtaining the required consistency/fluidity. If mixing into dry mixture is not possible, add **Cementol Injektin F3** into mixing water and than immediately admix dry components.
- Injection grouts / mortars / concrete prepared with **Cementol Injektin F3** have to be placed within 20 – 30 minutes after mixing with water.
- Suitable dosage for achievement of optimal/required effect, have to be determine according to preliminary tests with actual cement / cement+lime / cement+sand and mixers used for every type of use.



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### PACKING

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- 20 kg sacks.

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### STORAGE

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- Store the product in tightly closed packaging in dry places. Protect from damage and humidity.
- In tightly closed and undamaged packaging, the shelf life of the product is min. 2 years from the production date.
- The product may still be used after the date of expiry, but the characteristics important for the intended use have to be examined.

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### SAFETY PRECAUTIONS

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When working with **Cementol Injektin F3**, general instructions for working with chemicals should be respected:

- Eating, drinking or smoking during work is prohibited.
- After finishing work, hands should be thoroughly washed with water.

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### NOTE

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Instructions are given on the basis of examinations and technical experience of the firm. Due to specific conditions and work methods, preliminary tests are advised for every type of use. Since we cannot influence the course of work, we cannot be held responsible for its quality.

**Cementol Injektin F3** – admixture for injection grouts for prestressed tendons meets the SIST EN 934-4 standard requirements within the limits of recommended dosage (0,2 – 0,4 %).

**Cementol Injektin F3** meets the SIST EN 934-1 standard requirements.