



TEKAMAL INJEKCEM C

TEKAMAL INJEKCEM CA

PRODUCT DESCRIPTION AND USE

Tekamal Injekcem are special cement or cement and lime mineral admixtures and chemical admixtures containing dry mixtures. This results in perfect flowability and hindered segregation in the fresh state and in compensated shrinkage, low permeability and high strengths in the hardened state.

The product is used for filling passive cracks, porous and segregated areas in concrete, as well as damaged brick and stone walls etc.

Depending on the purpose, we recommend:

- **Tekamal Injekcem C:** for concrete walls, structural strengthening of civil engineering structures, anchor grouting etc.
- **Tekamal Injekcem CA:** for ancient stone and brick walls.

ADVANTAGES

- Material is pre-packed and only requires mixing with clean water on site.
- The required flowability is achieved with a reduced quantity of water.
- Does not bleed.
- Improved resistance to water permeability.
- Non-shrinking grout.

INSTRUCTIONS FOR USE

MIXING THE INJECTION GROUT

Tekamal Injekcem should be thoroughly mixed and, after resting for a few minutes, remixed and used. Workability time is ca. 30 minutes depending on the quantity of water and temperatures.

The recommended quantity of mixing water for:

-Tekamal Injekcem C	40 - 47 l / 100 kg
-Tekamal Injekcem CA	45 - 55 l / 100 kg

To reduce the capillary absorption of hardened grouts, the addition of 3-7 % of **HIDROFOB E** (admixture for preparing mortars with reduced capillary absorption) on the weight of the grout is recommended. This reduces water absorption by 60-80%.

The recommended dosage of HIDROFOB E for:

-Tekamal Injekcem C	3 kg / 100 kg
-Tekamal Injekcem CA	4 - 5 kg / 100 kg

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When injecting bigger segregation or empty spaces, fine sand can be added to the **Tekamal Injekcem** in the proportion 1 part **Tekamal Injekcem** : 2 parts sand. In this case, the users should find out on their own whether such mixture corresponds to the quality requirements for the specific case of injecting (flowability, segregation, strength, etc.)

• INJECTION PROCEDURE

Walls to be injected must be pre-dampened to enable easier and quicker penetration of **Tekamal Injekcem**. The injection may only be carried out by qualified staff using injection machines.

• CLEANING THE MACHINE AND TOOLS

The injection machine and tools should be thoroughly washed with water immediately after use.

CONSUMPTION

- **Tekamal Injekcem C:**
approx. 1,3 kg of dry grout / 1 l of ready-mixed grout
- **Tekamal Injekcem CA:**
approx. 1,2 kg of dry grout / 1 l of ready-mixed grout

PACKING

- **Tekamal Injekcem C**, 25 kg sacks
- **Tekamal Injekcem CA**, 20 kg sacks

STORAGE

- Store the product in dry and well-ventilated places, protected from damage and humidity.
- In tightly closed and undamaged packaging, the shelf life of the product is min. 1 year 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.

SAFETY PRECAUTIONS

Because it contains cement, **Tekamal Injekcem** irritates the skin and eyes and may cause allergic reactions if it comes into contact with skin.

- When handling the product, protective gloves and goggles should be used.
- Do not breathe in dry powder.
- Use a protection mask when handling dry powder.
- Eating, drinking or smoking during work is prohibited.
- After finishing work, hands should be thoroughly washed with water.

Tekamal Injekcem CA contains lime which may cause serious eye damage. In case of contact with eyes, irrigate with plenty of water and seek medical advice.

NOTE

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.