

PRODUCT DATA SHEET

Sika® Injectoset TH

SET ACCELERATING AGENT FOR CEMENTITIOUS GROUT

DESCRIPTION

Sika® Injectoset TH is a set accelerating agent based on metallic silicate to produce cementitious grout with adjustable setting time.

USES

Sika® Injectoset TH may only be used by experienced professionals.

Sika® Injectoset TH is used with normal cementitious grout where adjustable setting of the grout is required. It can be added into the grout mix when grouting work is required to fill gravelly and sandy soils, to stabilize loose and fractured rock fissures, to seal low/medium water infiltrations, to perform “jetting” in wet condition, to fix anchors.

CHARACTERISTICS / ADVANTAGES

- Avoid wash out of the freshly pumped grout when grouting under water.
- Allow early setting also under wet condition.
- Depend on the its dosage and the grouting set up, the setting time of the grout can be adjusted
- Non Flammable
- Can be applied to damp (not wet) substrates.

PRODUCT INFORMATION

Composition	Aqueous solution of metallic silicate
Packaging	30 kg /pail, 250 kg /drum
Colour	Transparent
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry and cool conditions, shaded place at temperature between 10°C and 25°C.
Density	1.43 -1.47 kg/L

APPLICATION INFORMATION

Consumption

Depending on the final result expected and the local conditions (wet condition, injection distances, the type of application).

Very Fast Setting of the Grout : 1.5-3% by weight of cement.

Early setting of the Grout : 0.5-1.5% by weight of cement.

Sika® Injectoset TH efficiency depends on the W/C of the cementitious grout mix, on the type, age and quality of cement. The consistency, the pot life required of the grout mix and consequently the addition of Sika® Injectoset TH depend as well on the geology (USCS classification, permeability $k \text{ m/s}$, D_{15}). Preliminary trials are recommended.

Ambient Air Temperature

+5°C to 35°C

APPLICATION INSTRUCTIONS

MIXING

Use only fresh cement when preparing the grouting mix. Grouting mix needs to be flowable or pourable consistency for successful pumping. In order to reduce the water content of the mix by still maintaining suitable flowable properties, superplasticiser type ASTM F can be added like Sikament® F6 at the dosage of 0.8–2.0% by weight of cement. Before attempting to mix and to pump the grout mix, it is recommended to rinse the mixer and charge the pump hopper with sufficient water to flush the pump and all grout lines. Once this has been achieved, remove the grout hose from the pump and drain out all water. Prepare and pump cementitious slurry ($0.7 < W/C < 0.8$) in order to remove residual water and to lubricate the grouting system.

Very Fast setting grout: use a bi components pump. Sika® Injectoset TH being added at the end of the packers. Proper grouting application will depend on the grouting equipment available, therefore please contact Technical Department.

Early setting grout: Prepare the approved mix accordingly and add into the mix Sika® Injectoset TH according to specified dosage. Maintain further mixing for 1 minute before stating the grouting. The grout can be pumped directly after the lubricating mix slurry. Use the grout mix without delay otherwise the grout mix would show its consistency changing. This may occur grout pressure increase or blockage.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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