

PRODUCT DATA SHEET

Sika® Intraplast® Z TH

EXPANDING GROUT ADMIXTURE

DESCRIPTION

Sika® Intraplast® Z TH is an expanding grout admixture that works by introducing micro bubbles into the mix. It produces wet volume expansion and increased fluidity without segregation.

USES

Sika® Intraplast® Z TH is used to increase cohesion of sand/cement grouts and is suitable for use in the grouting of:

- Prestressed cable ducts
- Rock and soil anchoring
- Bearing plates
- Pre-placed aggregates
- Tunnel linings
- Precast concrete elements
- Tilt-up construction wall panels

CHARACTERISTICS / ADVANTAGES

- Sika® Intraplast® Z TH plasticizes the mix allowing for an approximate reduction in water of up to 20% for equal fluidity, thus improving the strength and hardened properties of the grout.
- Gas generated during setting produces micro bubbles evenly distributed in the grout mix, causing expansion to take place thus compensating for normal drying shrinkage.
- The initial retarding effect of Sika® Intraplast® Z TH and its plasticizing action improves grout penetration and reduces water separation and bleeding. The expansive forces generated promote complete filling of voids and fissures.

PRODUCT INFORMATION

Packaging	Supplied in bags containing 30 packs of 0.5 kg
Appearance / Colour	White Powder
Shelf life	12 months if stored in original sealed containers
Storage conditions	Store in dry, cool place
Density	0.7 kg/l

APPLICATION INFORMATION

Recommended dosage

Sika® Intraplast® Z TH is dosed at 1-2 % by weight of cement. Depending on the type of mixer and purpose of the injection, the mixing time and the water/cement ratio must be in accordance with the requirements. For prestressed concrete work where batching the mixture is done in the usual mechanical way. A mixing time of 4 minutes together with a water/cement ratio of 0.38-0.42 is found to give best results. Generally, the most suitable mixing sequence is the water/cement/Sika® Intraplast® Z TH. It is not recommended to add sand for prestressed concrete work.

Restrictions

- High alumina cement and cement containing high content of fly-ash are not suitable for using with Sika® Intraplast® Z TH.
- To obtain optimum results (flowability, expansion, bleeding, etc), the suitable w/c ratio and Sika® Intraplast® Z TH / cement ratio shall be determined through trial mixes.

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.

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.

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.

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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