

PRODUCT DATA SHEET

Sika[®] Intraplast[®] Z PK

Expanding Grout Admixture

DESCRIPTION

An expanding grout admixture in powder form. By introducing micro bubbles into the mix, it produces wet volume expansion and increased fluidity without segregation.

USES

Intraplast Z is used to increase cohesion in cement grouts and is suitable for use in the grouting of :

- Pre-stressed cable ducts
- Rock and soil anchoring
- Bearing plates.
- Pre-placed aggregates.
- Tunnel linings.
- Pre-cast concrete elements.
- Tilt construction wall panels.
- Crack injection

CHARACTERISTICS / ADVANTAGES

Intraplast Z plasticises the mix, thus improving the strength of the grout.

- Gas generated during setting distributes bubbles causing expansion to take place (3%-8% by volume) with dosage optimization, thus compensating for normal shrinkage.
- The initial retarding effect of Intraplast Z improves grout penetration, reduces water separation and bleeding.
- The expansive forces generated completely fill voids.
- Non toxic, non chloride.

PRODUCT INFORMATION

Packaging	10 kg bag
Shelf Life	6 months minimum from production date
Storage Conditions	Store in a dry, undamaged, unopened, original sealed bags, protected from direct sunlight and frost, at temperature between +5 °C and +35 °C.
Appearance / Colour	Grey Powder
Bulk Density	~0.7 kg/L

APPLICATION INFORMATION

Recommended Dosage	Dosage	0.2-2 % by weight of Cement
	Typical dosage	0.5 % by weight of Cement

Exact dosage may establish by performing trial mixes as per required specifications.

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.

LIMITATIONS

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

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

- Mix with cement and add directly to the gauging water.
- The mixture must be stirred continuously.
- For pre-stressed concrete work, a mixing time of 3 minutes with a w/c ratio of 0.42 has been found to give the best results.
- It is not recommended to add sand into the mix.

CLEANING OF TOOLS

Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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