BUILDING TRUST

PRODUCT DATA SHEET

Sika® Intraplast-100 Z

Expanding and plasticising admixture for cementitious grout

DESCRIPTION

Sika® Intraplast-100 Z is an expanding plasticising agent used to increase fluidity and cohesion of sand/cement grouts and is suitable for use in grouting.

USES

- Pre-stressed cable ducts.
- Rock and soil anchoring.
- Bearing plates.
- Preplaced aggregates.
- Tunnel linings.
- Tilt up construction wall panels.
- Piling

FEATURES

- Sika® Intraplast-100 Z plasticises the mix allowing for a reduction in water for equal fluidity, thus improving the strength and hardened properties of the grout.
- Gas generated during setting produces evenly distributed micro bubbles causing expansion to take place thus compensating for plastic settlement and plastic shrinkage.
- The initial retarding effect of Sika® Intraplast-100 Z and its plasticising action greatly improves grout penetration and substantially reduces water separation and bleeding.
- The expansive forces generated promote complete filling of voids and fissures.
- Sika® Intraplast-100 Z produces non-hazardous gas therefore it can be used in mines and underground works.

PRODUCT INFORMATION

Packaging	10 kg pail
Appearance and colour	White powder
Shelf life	Stored in the original sealed packaging at temperatures of between 5 °C and 35°C, this product will keep for at least 12 months.
Storage conditions	Store at temperatures between 5°C and 35°C , protected from direct sunlight.
Recommended dosage	Typical dosage rates are between 5 - 30 kg per cubic meter of grout depending on specific requirements. Always conduct trials before use.
Dispensing	The preferred dosage method of Sika® Intraplast-100 Z is by premixing it

with the gauging water. If this is not possible it can be premixed with the dry cement/sand mixture providing it is thoroughly mixed through.

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.

IMPORTANT CONSIDERATIONS

Suitable for Portland based cement including sulphate resistant cement.

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.

LOCAL RESTRICTIONS

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