

PRODUCT DATA SHEET

Sika® Intraplast® Z CO

Expansion generating admixture and plasticizer for pastes, mortars or grouts of cementitious materials

DESCRIPTION

Sika® Intraplast® Z CO is a finely ground powder additive that generates expansion and plasticizes the mixes of mortar, mortar or grout of cementitious materials. Does not contain chlorides.

USES

Sika® Intraplast® Z CO is used to increase fluidity and control the contraction of pastes, mortars and grouts in contact and consolidation injections such as:

- Post-tensioned cable ducts.
- Filling of cracked soils and rocks.
- Injection into bolt anchors.

FEATURES

- It expands the grout or mortar during the setting process, increasing adhesion, decreasing permeability, thus achieving perfect silting of the injected cavities and fissures.
- It has plasticizing and/or water reducing power.
- Prevents the formation of flocs by dispersing the cement particles in the aqueous suspension, achieving a better penetration of the pastes, mortars and grout into the cracks and cavities.
- Improves the durability of the paste, mortar and grout.
- Stabilizes the mixture by reducing exudation. Ligera-mente Slightly delays setting, allowing injection at a greater distance.
- Assists in the corrosion protection of post-tensioned cables.
- Can be used with other water reducing additives, when a much lower a/c ratio is required.

PRODUCT INFORMATION

Packaging	30 kg Bags
Appearance and colour	Yellowish grey powder with silver particles, mild odor
Shelf life	Six (6) months from its manufacturing date. Normal precautions for chemical products must be taken for transport.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.
Density	1.25 kg/l +/- 0.05 kg/l

APPLICATION INFORMATION

Recommended dosage	It is dosed from 1.0% to 3.0% of the weight of the cement contained in the mixture.
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Dispensing

Restrictions

Sika® Intraplast® Z CO must not be used for the preparation of leveling grouts or in anchoring bolts in rehabilitation of structures; In the latter case, it is recommended to use epoxy anchors.

The wet mixture containing **Sika® Intraplast® Z CO** must be kept in permanent agitation during the injection process, it must be placed during the 30 minutes following its elaboration under normal temperature conditions.

To achieve the lowest shrinkage of the paste, mortar, grout or concrete and to adjust the fluidity of the a/c ratio, it can be used in conjunction with high-power **Viscocrete®** or **SikaPlast®** water reducers and reduce the resistance acquisition time.

It should be tested through trials before use to ensure good performance with the type of cement and materials to be used.

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

For pre-stressed concrete work, where mechanical batching is carried out, a mixing time of 4 minutes with a W/C ratio of 0.36 - 0.40 has been found to give the best results.

The most effective mixing sequence has proven to be; water, cement and finally the admixture. Cements containing fly ash are unsuitable.

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

Sika® Intraplast® Z CO is added in the recommended dose of dry cement and mixes until a homogeneous material is obtained. Cement mixed with **Sika® Intraplast® Z CO**, can be added in the preparation of pastes, mortars, grouts or concrete.

DISPENSING

Add directly to the cement mix water, in the mixer. Sand may be added as required.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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