

PRODUCT DATA SHEET

Sika® Intraplast® Z MY

Expanding grout admixture

DESCRIPTION

Sika® Intraplast® Z MY is a ready to use injection aid in powder form. It is non-toxic, non-flammable and does not contain chlorides or other ingredients of a corrosive nature. Sika® Intraplast® Z MY causes the cement mixture to expand before setting. The swelling is caused by the extremely regular formation of densely distributed tiny gas bubbles consisting of inert hydrogen. These very tiny pores give the set material a high degree of frost resistance.

USES

Sika® Intraplast® Z MY is a patented special product for the grouting of prestressing cables, loose soil formation and cavities in rocks. The use of Sika® Intraplast® Z MY in the grouting mixture has the following effects:

- Prolonged workability
- Good strength and adherence properties
- Protective action against corrosion of the prestressing wires
- Durable and dense filling of all cavities

PRODUCT INFORMATION

Packaging	20 kg bag
Shelf Life	12 months from date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Protect from direct sunlight.
Appearance / Colour	Grey powder

APPLICATION INFORMATION

Recommended Dosage	1–2 % by weight of cement
---------------------------	---------------------------

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

- Sika® Intraplast® Z MY is essentially a product for use by specialists working in the field of prestressing and grouting techniques
- It is known that the properties of the injection aid can be significantly influenced by the mixing procedure, cement properties, addition of water and sand and temperatures
- For important work it is necessary to determine the most suitable procedure by means of preliminary site tests
- Cement containing fly ash may have impact on expansion

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

When grout containing sand is to be used the mixing sequence should be sand - cement - Sika® Intraplast® Z MY - water. For prestressed concrete work where batching of the mixture is done in the usual mechanical way, a mixing time of 4 minutes together with a w/c ratio of 0.40–0.45 are found to be satisfactory. Generally the most suitable mixing sequence is water - cement - Sika® Intraplast® Z MY.

APPLICATION

Place the grouting material within 15 minutes of mixing to gain the full benefit of the expansion process. The normal means of placing and pumping of grouting material should be used to ensure a continuous flow. It is not recommended to add sand for prestressed concrete work.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet

Sika® Intraplast® Z MY
March 2023, Version 01.01
021304011000000095

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.

SikaIntraplastZMY-en-MY-(03-2023)-1-1.pdf