

PRODUCT DATA SHEET

SikaCem[®]-201 Intraplast

ADDITIVE FOR CEMENTITIOUS CABLE GROUT

DESCRIPTION

SikaCem[®]-201 Intraplast is an additive to produce shrinkage compensated, nonbleeding cementitious cable grout.

USES

SikaCem[®]-201 Intraplast is used for permanent grouting of horizontal and vertical post-tensioned cable ducts of reinforced concrete bridges

CHARACTERISTICS / ADVANTAGES

- Reduce bleeding
- Shrinkage compensated
- Makes a reduction of the amount of gauging water possible
- Non-toxic and non-flammable
- No chloride or other ingredients of corrosive nature

PRODUCT INFORMATION

Packaging	20 kg bag
Appearance / Colour	Grey powder
Shelf Life	6 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Protect from direct sunlight, moisture, rain and water.

TECHNICAL INFORMATION

Mortar Mix Design	OPC (CEM 1 52.5N)	100 kg
	SikaCem [®] -201 Intraplast	1 kg
	Water	45 kg

APPLICATION INFORMATION

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

APPLICATION INSTRUCTIONS

MIXING

For prestressed concrete work where mixing of the grout is carried out using a high shear mechanical mixer, a mixing time of 3–4 minutes together with a wa-

ter-cement (w/c) ratio of 0.40–0.45 are found to be satisfactory. Generally the most suitable mixing sequence is water > cement > SikaCem[®]-201 Intraplast. When grout containing sand is to be used the mixing sequence should be sand > cement > SikaCem[®]-201 Intraplast > water. For efficient mixing of grouts, a colloidal mixer should

be used. In large volume grouting, an agitator tank should be installed beside the colloidal mixer to hold the grout before grouting.

APPLICATION METHOD / TOOLS

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 or cured material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- SikaCem®-201 Intraplast 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, cement type, addition of water and sand, and temperatures. Preliminary site trials should be carried-out to determine the properties of the grout.
- The use of colloidal mixers is recommended for efficient grouting works.
- For grouting critical areas it is necessary to determine the most suitable procedure by means of preliminary site trials.
- Cement containing fly ash may exhibit lower expansion values
- All exposed areas which have been grouted should be cured using Sika's range of curing compounds or wet hessian

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.

Sika Kimia Sdn. Bhd.
Lot 689, Nilai Industrial Estate, 71800 Nilai
Negeri Sembilan D.K., Malaysia
Phone: +606-7991762
Fax: +606-7991980
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet
SikaCem®-201 Intraplast
September 2019, Version 01.01
020301010020000053

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.

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.

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.

SikaCem-201Intraplast-en-MY-(09-2019)-1-1.pdf