



PRODUCT DATA SHEET

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NON-METALLIC, NON-SHRINK GROUTING

Sika® Intraplast®-N

EXPANDING/FLUIDIFYING GROUTING ADDITIVE

Description	Sika® Intraplast®-N is a balanced powder blend of expanding, fluidifying, and water reducing agents for Portland cement grouts. Does not contain calcium chloride, nitrates or other chemicals potentially dangerous as to promote corrosion in prestressed steel.
Where to Use	Normal set grouting aid for cement to increase fluidity and produce a slow, controlled expansion prior to hardening. For grouting stressed tendons, machinery bases, pre-placed aggregates, rocks, fissures, etc.
Advantages	<ul style="list-style-type: none"> ▪ Produces an extremely fluid, workable, low bleeding, non-settling, cohesive grout. It can be used with all types of grout incorporating Type GU, MS, MH or HE cements with or without pozzolanic materials or fine aggregate. ▪ Meets U. S. Corps of Engineers Specification CRD-C619-81.
Technical Data	
Packaging	15 kg (33 lb) bag
Colour	Brown powder
Shelf Life	1 year in original, unopened packaging. Store dry at 5 to 32 °C (41 to 89 °F).
Dosage	Add up to 1% by weight of cementitious material.

HOW TO USE

Mixing

Add ingredients to high speed shear mixer in following sequence: Water, cement, (supplementary cementing materials if used), Sika® Intraplast®-N, sand as required. Mix thoroughly. Place with grout pump. Limit size of batches so placement can be completed within 60 minutes to obtain maximum expansion of grout in place. Do not add water to grout to increase flowability which has decreased. Keep water/cement ratio as low as possible, generally 0.45 or less. For grouting prestressed tendons, follow recommended practices of the Prestressed Concrete Institute. For grouting of rocks, fissures, pre-placed or natural aggregate, follow standard construction practices.

Proportioning: Up to 1 % by weight of cementitious material. Recommended starting dosage is 0.25 to 0.35 %. Trial mixes should be made to determine the effects of cement type, w/c etc. Mixing should be done in accordance with the Prestressed Concrete Institute's standards.

Application

Form work: Forms should be tight and well fitted. Expansion should be restrained to produce highest possible density, bond and strength. Top forms should be used where there are open areas. Unformed exposed surfaces will have a substantially lower strength for a limited depth.

Pumping: Pumps and hose fittings must be watertight to prevent loss of water and subsequent clogging.

Clean Up

Clean all tools and equipment after use with water. Once hardened, the product can only be removed manually or mechanically. Wash soiled hands and skin thoroughly in hot soapy water or use Sika® Hand Cleaner towels.

Limitations

- Not recommended as a non-shrink admixture for conventionally placed concrete.
- Design mixes should always be tested to verify satisfactory performance, specifically as it relates to flow, bleed, segregation and strength.
- Use with type LH or HS cements may result in reduced expansion and retarded set.
- Notice should be taken that overdosing of the admixture will reduce compressive strengths.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

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, within their shelflife. 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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