

PRODUCT DATA SHEET

Sika® Intraplast® NN

Expanding grout admixture

DESCRIPTION

Intraplast® NN is an expanding grout admixture for pressure/injection grouting. By introducing into the concrete mix, wet volume expansion and increased fluidity without segregation are produced.

USES

Intraplast® NN is used to increase flow and cohesion in cement grouts (addition of sand is possible) and to develop non-shrink property. This product can be used for grouting of:

- Pre-stressed cable ducts
- Rock and soil anchoring
- Bearing plates
- Pre-placed aggregates
- Tunnel linings

FEATURES

Intraplast® NN provides the following beneficial properties:

- Improved fluidity (~ 25 - 35 second, according to ASTM C 939)
- Increased cohesion
- Volume expansion in the wet state to develop non-shrink property (3-9 %, according to ASTM C 937- 80)
- Chloride free - does not attack reinforcement or prestressed cables

PRODUCT INFORMATION

Composition	Modified Napthalene
Packaging	12.5 kg Bag
Appearance and colour	Creamish
Shelf life	12 months from date of production if stored as per recommendations.
Storage conditions	Store properly in dry conditions in undamaged and unopened original sealed packaging. But after opening, it should be consumed within one month & should be packed properly after use.
Bulk density	~ 0.85 kg/l @ 27 °C

APPLICATION INFORMATION

Recommended dosage	0.5 to 1.2% by weight of Cement (Exact dosage rates depend on the quality of cement, water/cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes.)
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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.

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Sika® Intraplast® NN has to add directly to the cement & water mix in the mixer. The mixing time and the water/cement ratio must be in accordance with the requirements. Sand may be added other than prestressed concrete work as required.

CLEANING OF EQUIPMENT

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

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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Product Data Sheet

Sika® Intraplast® NN
December 2025, Version 01.04
020301010020000019

SikaIntraplastNN-en-BD-(12-2025)-1-4.pdf