

**Product Data Sheet**  
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Identification no:  
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Intraplast® NN

# Intraplast® NN

## Expanding grout admixture

<b>Product Description</b>	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.
<b>Uses</b>	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: <ul style="list-style-type: none"><li>■ Pre-stressed cable ducts</li><li>■ Rock and soil anchoring</li><li>■ Bearing plates</li><li>■ Pre-placed aggregates</li><li>■ Tunnel linings</li></ul>
<b>Characteristics / Advantages</b>	Intraplast® NN provides the following beneficial properties: <ul style="list-style-type: none"><li>■ Improved fluidity</li><li>■ Increased cohesion</li><li>■ Volume expansion in the wet state to develop non-shrink property</li><li>■ Chloride free - does not attack reinforcement or prestressed cables</li></ul>
<b>Dispensing</b>	Add directly to the cement / water mix in the mixer. Sand may be added as required.

### Product Data

#### Form

**Appearance / Colour** Brown powder

**Packaging** 12.5 kg bag

#### Storage

**Storage Conditions / Shelf-Life** 6 months from date of production if stored properly in dry conditions in undamaged and unopened original sealed packaging.

### Technical Data

**Chemical Base** Modified naphthalene

**Bulk Density** ~0.85 kg/l at 27 °C

**Fluidity** ~ 25 - 35 sec. (According to ASTM C 939 -87)



## Mechanical / Physical Properties

Expansion	3-9 %	(According to ASTM C 937- 80)
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## System Information

### Application Details

Dosage	1% by weight of cement (500 gm per 50 kg bag of cement).
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Application Method / Tools	Add directly to the cement / water mix in the mixer. Sand may be added as required.
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Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.
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Value Base	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.
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Health and Safety Information	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.
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