

## Nanten IHP Injection Resin

### Colourless low-viscosity epoxy-based injection resin

#### PRODUCT TYPE

Nanten IHP Injection Resin is a colourless 2-component solvent-free epoxy resin for repairing cracks and damages in concrete structures. The injection resin contains very low levels of volatile organic compounds (VOC).

#### APPLICATION

For filling and reinforcement of damages and cracks in concrete and other structures by injection. Also suitable for fixing and levelling castings of machine foundations and steel bolts.

#### TECHNICAL DATA

**Colours** Colourless.

#### Mixing ratio

Part A (resin) 2 parts by volume and part B (hardener) 1 part by volume.

#### Package

Part A in 0.667 l and part B in 0.333 l tin containers.

#### Application time (+ 20°C)

About 20 minutes. With higher temperatures the time is shorter.

#### Drying time

Dry to touch 7 h (+ 25°C) and 14 h (+ 15°C).  
Fully cured, 7 days.

**Dilution** Do not dilute.

#### Cleaning of tools

Tools can be cleaned with e.g. ethyl acetate.

#### Storage

+ 5°C ...+ 25°C, max. storage time 6 months. Store in a warm room, in tightly sealed original containers.

#### TECHNICAL PROPERTIES

**Density (+ 25°C)** Mixture density 1,10 kg /l.

**Viscosity** About 200 mPas.

**Solid matter content** About 100% by volume.

**Final hardness** Shore D 78.

#### VOC (calculated)

VOC in application mixture 124 g /l. EU VOC 2004/42/EC (cat A/j) max. 500 g/l (2010)

#### DIRECTIONS FOR USE

##### Injection conditions

During the injection the structure temperature should be above + 10°C.

##### Mixing of components

Carefully mix part A with part B of the Injection Resin.

##### Impregnation injection

Concrete floors with crazing caused by fast drying can be injected by impregnation. Fine cracks 0.5 – 2.0 mm and small cavities are filled with injection resin. Repeat the treatment if needed, to fill the crack or cavity.

##### Pressure injection

Wider cracks can be filled with a filler made of injection resin mixed with thickening fibre (Sylothix) or fine sand. In case of deep and narrow cracks you should use injection nipples placed into holes drilled at an angle to the sides of the crack, enabling you to use a manual grease gun or a pump.

#### APPLICATION SAFETY:

See [www.nanten.fi / products / material safety data sheets](http://www.nanten.fi/products/material%20safety%20data%20sheets).

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Even though the technical details of the product description are based on our best knowledge and experience, the above-named information should always be regarded as indicative. The user should make sure that the product is suitable for the application. If working contrary to these instructions, the user is solely responsible for any possible resulting damages and consequences.