Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

NANTEN IHP INJECTION RESIN



Product description

2-component, colourless epoxy resin for repairing cracks and damage in concrete structures.
- For filling and strengthening cracks and damage in concrete and other structures by injection
- Also suitable for anchoring and leveling grouts in machinery foundations and steel bolt installations

Applications

- For filling and strengthening cracks and damage in concrete and other structures by injection

Instructions

Mixing

Mix Part A and Part B of the Injection Resin thoroughly together.

Mixing ratio

Part A: 2 parts by volume
Part B: 1 part by volume

Injection by absorption

Concrete floors with network cracking caused by rapid drying can be injected by absorption. Fine cracks (0.5–2.0 mm) and small voids are filled with injection resin. Repeat the treatment if necessary to ensure the crack or void is completely filled.

Injection by pressure

Wider cracks can be filled with a putty made of injection resin and thickening fibre (Sylothix) or fine sand. In deep and narrow cracks, it is recommended to use injection packers inserted into diagonally drilled holes along the sides of the crack, allowing injection with a press or pump.

Waste handling

Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

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Technical information

Colour	Colorless
Gloss group	High gloss
Package size	Part A: 0.667 l and Part B: 0.333 l in a metal container
Storage	+5°C to +25°C, shelf life up to 12 months. Must be stored in a warm location in tightly sealed original containers.
Density	Density of the mixture: 1.10 kg/l
Usage temperature	During injection, the temperature of the structure must be above +10°C
Usage time	Approx. 20 minutes. The working time shortens as the temperature increases.
Drying time	Touch-dry after 7 h (+25°C) and 14 h (+15°C). Fully cured in 7 days.
Tensile strength	>1.5 N/mm^2
Reaction to fire	Bfl-S1
Viscosity	Approx. 200 mPas
Relative air humidity	Below 80% during application and curing of the coating
Solids content	Approx. 100% by volume
Chemical resistance	Class II
Thinner	Do not dilute
Washing tools	Nanten Epoxy Thinner

Remember to consult the Maintenance Instructions for Coated Floors and the product Safety Data Sheet on our website at www.fescon.fi, or request a copy by calling +358 9 274 7970. Although the technical details provided in this product description are based on our best knowledge and experience, the information above should always be regarded as indicative. The user is responsible for verifying the suitability of the product for the intended application. If the instructions are not followed, the user assumes full responsibility for any resulting damage or consequences. Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.