



Technical Data Sheet

NM Injektering INP 32

Utg: 2016-07-07

Ers: 2016-07-07

Rev: 2018-12-06

General Description

NM Injektering INP 32 is a very low viscous injection resin based on solvent free epoxy.

Use

NM Injektering INP 32 has on crack injection an excellent adhesion to the substrate. The adhesion is good also to damp concrete, making it possible to inject in water-filled cracks. The adhesion to wet concrete is approximately equal to the tensile strength of concrete K60. The low viscosity makes it possible to inject with low pressure

NM Injektering INP 32 is approved according to **Bro 2002** and **Bro 2004**.

NM Injektering INP 32 can be used as so-called chemical anchors, where the cure rate is determined by the curing agent selected.

For injecting of a delaminated floor, it is preferred to use the slow hardener for optimized bonding of the entire surface.

An injection material based on epoxy glues surfaces together, most others only fills the crack.

Processing Instructions

Visible cracks and holes should be blown before injecting. Sometimes it may be advantageous to cut the top of a surface crack with e.g. angle grinder to get the best gluing ability.

Application

For **NM Injektering INP 32** there are two types of hardener available;

NM Härdare 24 S (fast) and **NM Härdare 24 L** (slow). Both can be admixed with each other if specific cure times are desired.

Typical Properties

Resin: NM Injektering INP 32
Hardener fast: NM Härdare 24 S
Hardener slow: NM Härdare 24 L

Mixing ratio

Resin – Hardener 100 – 50 by weight

Density: 1150 kg/m³

Viscosity: 0.15 Pa·s

Pot life 100g 20°C/68°F

NM Härdare 24 S: 13 minutes

NM Härdare 24 L: 70 minutes

Compressive strength: 235 MPa
(ASTM D695M)

Tensile strength: 20 MPa
(ASTM D638M)

Adhesion to concrete: 3.5 MPa

*Adhesion to concrete
after 7 months storage*

in water: 4 MPa

E-modulus: 1.1 GPa

T_g: 56°C / 133°F

Lowest curing temperature: +5°C / +41°F

Colour: Transparent

Temperature vs Viscosity

+5°C / 41°F 1.7 Pas

+10°C / 50°F 0.9 Pas

+15°C / 59°F 0.55 Pas

+20°C / 68°F 0.25 Pas

+25°C / 77°F 0.15 Pas

Normal packing: 1.0 kg

Cleaning solvent: Acetone

Note

Quality assurance:

In order to assure the quality of application, we have a form where important information is documented. The form is available from Nils Malmgren AB, telephone +46 303 936 10

Disclaimer

This product's technical specifications are developed by experience in field and laboratory by us. Fully cured will take place at seven days at +23°C and 50 % RF.

We reserve the right to change products as well as data. Current data sheets are available at our website and with us. We cannot assume responsibility for use in areas that we do not know. The user shall always evaluate products for their intended use and we guarantee only the material properties. For every product we offer reference objects separately.

NILS MALMGREN AB

P.O Box 2039
S-442 02 YTTERBY

Phone: 0303-936 10
Fax: 0303-928 55

Quality certified since 1990

E-mail: info@nilsmalmgren.se
Home site: www.nilsmalmgren.se