Technical Data Sheet

NM Injection 300

Utg: 2023-03-30
Ers: 2023-03-30
Rev: 2023-05-23

General Description

NM Injection 300 is a solvent-free epoxy resin-bonded mineral casting, specially developed for injection and under-casting where there are requirements for high pressure and impact resistance.

Fields of application

For mounting beds for machine and steel beams, load-bearing pads and heavy-duty bases. Ideal after shimming, pouring under a machine or load bearing assembly to provide a permanent structural bed.

As the heat generation is very low during the actual curing process, NM Injection 300 is suitable for filling large volumes and under-castings from 40 mm thickness. Shrinkage during the curing process or in the long term is not to be expected.

Adhesion is generally very good to most substrates.

Preparation

As far as possible, the space to be injected/filled should be as clean as possible.

Application

NM Injection 300 is poured or pumped.

NILS MALMGREN AB

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Quality certified since 1990

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Typical Properties

Resin NM Injection 300
Hardener NM Härdare BG 13

Mixing ratio
Resin – Hardener 100 - 15 by weight

Density:	1390 kg/m^3
Viscosity:	2.5 Pa·s
Dry content:	100%
Potlife 100g 20°C:	70 minutes
Compressive strength:	80 MPa
Tensile strength:	20 MPa
Flexural strength:	40 MPa
Impact resistance:	>25Nm
Reaction to fire:	E / E_{fl}
Linear shrinkage:	Not detected
Coefficient of thermal expansion (-10°C to +40°C)	3.1×10^{-5} 1/K
Application and curing temperature:	Min. +5°C Max. +30°C
Normal packing:	15.3 kg (11 litres)
Cleaning solvent:	Acetone

Compressive strength:	*ISO R604*
Flexural strength:	*ISO 178*
Tensile strength:	*ISO 527*
Impact resistance:	*ISO 6272-1 MOD*
Reaction to fire:	*EN 13501*
Linear shrinkage:	*ASTM D2566*
Coefficient of thermal expansion	*EN 1770*

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.

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