

- EN** PRIMERS AND ADHESION PROMOTERS
- IT** PRIMERS E FONDI AGGRAPPANTI
- FR** PRIMERS ET FONDS D'ADHÉSION DÉTAIL PRODUITS
- PL** GRUNTY I PRIMERY



NORPHEN INJECTION

Injection epoxy resin

Description

NORPHEN INJECTION is a two component solvent-free product, consisting of:

- component A: a mixture of liquid epoxy prepolymers;
- component B: copolymerization amine.

Being the product highly fluid, the impregnation of the substrate is easily obtained. Once the product is fully cured, it forms a shrinkage free bonding mass, which strengthens the all structure, improving its flexibility and compression resistance mechanical properties.

Where to Use

NORPHEN INJECTION is specifically used in the consolidation of structural concrete, refractory materials, stone materials, etc..

Application

Product Preparation

Pour component B into component A and mix well with drill and impeller, then apply within approx. half an hour.

Product Application

NORPHEN INJECTION is applied in only one filling coat.

Apply product with and airless pump or with a large brush or rollers ensuring complete penetration into base porosities.

NORPHEN INJECTION is completely cured after 7 days at 20°C.

Warnings and Special Instructions

- Mix components A and B in the prescribed quantities. When using partially used package, the single components shall be weighed according to the ratio indicated on the label.
- In cold weather, product viscosity increases, making the application difficult, therefore the product shall be taken to a warmer place before proceeding.
- Similarly, in hot weather attention must be given to the opposite phenomenon, namely a significant increase in the mixture hardening speed.
- Attention must be given to tools and equipment cleaning up, that must be carried out before the resin hardens; in such operation use ACETONE.
- See the Material Safety Data Sheet (MSDS).

Specifications





Bulk Density, UNI 8310	g/cm ³	1.02 ± 0.2
Pot-Life, UNI EN ISO 9514	minutes	45 ± 5
Apparent dynamic viscosity, ISO 3219	mPa·s	200 ± 15
Application Temperature	°C	from +8 to +35
Ultimate flexural strength, ISO 178	MPa	98 ± 15
Ultimate tensile strength (film), ISO 527	MPa	29 ± 10
Tensile elongation at break (film), ISO 527	%	0.8 ± 0.5
Ratio A : B		4 : 1

Note: test methods are in accordance with the standard referred to in the table.

Packaging and Storage

Packaging	1 kg and 12 kg (A+B)
Storage	24 months in original packaging, in a covered, dry area at temperatures between +5°C and +30°C. Frost sensitive.



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Legal notice

Tips on how to use our products match the current state of our knowledge and do not imply any assumption of responsibility or/and liability for the final result of works. Therefore, customers are not exempt from the responsibility to verify the suitability of products for use and final aims through preliminary tests. The website www.nordresine.com contains the latest revision of this datasheet.

Edition

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