

NORDRY 200 BASE



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

NORDRY 200 BASE is a solvent-free non-film-forming hydrophobicising liquid (100% active substance) made up of chemically modified siloxane oligomers.

Suitably diluted in solvent, NORDRY 200 BASE can be injected deeply inside damp walls to make them hydrophobic. NORDRY 200 BASE is highly resistant:

- To alkalinity.
- To rising water.
- To washing out.

Field of application

NORDRY 200 BASE is suitable as an injectable hydrophobicising solution to eliminate rising damp in objects and walls with small- and medium-sized pores.

The product can cross-link in the presence of humid conditions.

When used by injection, NORDRY 200 BASE is suitable for vertical walls only.

Advantages

- NORDRY 200 BASE cures regularly even in damp conditions.
- NORDRY 200 BASE contains 100% active substance and can be diluted in any proportion with the adequate solvent.
- NORDRY 200 BASE allows for completing works with very limited costs.
- NORDRY 200 BASE remains stable in the warehouse for very long periods.

Specific preparation of the laying support

- Dehumidifying injections in mixed or cotto walls
- Make a series of holes of suitable size in relation to the chosen injection (by gravity, with low pressure 0.5–1.0 bar, average pressure 5–7 bar) using a drill or electric core drill, between 15 and 25 cm above the floor.
- Characteristics of the holes:
 - Hole centre-to-centre distance: 15–20 cm, depending on the material's porosity (the more it is porous, the farther apart the holes can be placed);
 - Depth of the holes: 2/3 the thickness of the wall to be treated;
 - Inclination of the holes: 15° from top to bottom, from the outside towards the inside of the wall.
 - Repetition of the series of holes: the ideal system involves creating two horizontal series of holes on two rows, spaced out 15 cm from one another.

Preparing the product

- Dehumidifying injections in mixed or cotto walls
- Dilute 1 part by volume of NORDRY 200 BASE with 7–12 parts by volume of SOLVENT FOR NORDRY (natural deaeromatised white spirit).
- Thoroughly mix the diluted product before applying it.

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Application of the product

► Gravity injection

- It is done with the aid of containers connected to a diffusion system inserted in the hole and exploits the force of gravity to favour the product's penetration into the wall.
- The containers must be positioned at least half a metre above the hole.

► Pressure injection

- This method is to be preferred with respect to the previous one as it reduces the intervention times and guarantees improved and more homogeneous penetration of the treatment.
- The circuit is made by connecting to a diaphragm pump specific self-locking injectors inserted in the wall.
- The operating pressure can be set to between 0.5 and 7 bar depending on the type of material to be impregnated:
→ material with wide pores (macro-porous): low injection pressure;
→ support with very small pores (micro-pores): high injection pressure.

Consumption

The quantity of product to be used depends on the porosity of the wall and on the degree of saturation (humidity). In general, a good estimate of the consumption in ordinary conditions can be obtained by applying the following formula:
Litres (min) of NORDRY 200 BASE diluted * = 0.2 • Wall thickness (in cm) • Surface area of the wall to be treated (in m²)

Litres (MAX) of NORDRY 200 BASE diluted * = 0.4 • Wall thickness (in cm) • Surface area of the wall to be treated (in m²)

* with 2 horizontal series of holes situated 25 and 40 cm from the floor.

type of application	minimum consumption	maximum consumption	UoM	dilution
To treat a strip of wall 50 cm thick, 4.5 m long and 40 cm high (with 2 horizontal series of holes located 25 and 40 cm from the floor)	1,8	3,6	L	of the pure product to be diluted: 1 part by volume with 9 parts by volume of SOLVENT FOR NORDRY

Cleaning of tools

- Wet product: clean with WHITE SPIRIT or isoparaffin solvent.
- Hardened product: remove mechanically.

Useful application tips

- When used by injection, NORDRY 200 BASE is suitable for vertical surfaces only.
 - The support to be treated must be preferably dry, that is, free of water in the liquid phase.
Wait at least 24 hours after rain.
 - After cleaning with a power wash, wait at least 3 days.
 - The support must be sound and solid (eliminate any flaking or loose parts).
 - To clean the surface, do NOT use detergents that are acid or alkaline, or that contain cationic surfactants (consult the label).
 - In case of walls partially reconstructed with new mortar, it is necessary to wait at least 1 month for the coating to cure before treating the surface with NORDRY 200 BASE.
 - For walls exposed to aggression by salt solutions (sodium chloride), we recommend using NORDRY 200 I ECO in place of NORDRY 200 BASE.
- Alternatively, it is possible to apply NORDRY 200 BASE following a treatment with products formulated for eliminating salt (consult the Nord Resine Technical Service).
- If the wall to be treated has high capillarity or actual internal cavities, a first filling injection must be carried out with NORDCEM (cement with osmotic action, see Technical Sheet) or with a slurry made with X-CEM BASE (see Technical Sheet) + Portland cement.
- Treat the surface with NORDRY 200 BASE only once the cement slurry has dried fully and nonetheless never before 30 days from its injection.
- On walls with joints between the bricks made of crumbling mortar, the perforations should end inside the brick so as to

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preserve a high injection pressure.

- Preventively verify any unforeseeable incompatibility in one or more small zones.
- The product is dangerous, adopt suitable precautions and use the PPE specified in the Safety Sheet under point 8.
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C, EN ISO 2811-1	kg/L	1,05 ± 0,03
Kinematic viscosity (ISO cup 3, 23°C), EN ISO 2431	s	70 ± 8
Active substance content	-	(99 ± 1)%
Colour	-	Opalescent
Appearance	-	Oily liquid
Odour	-	Characteristic
Solubility in dearomatised white spirit, product in solvent at 20°C	kg/L	In all proportions

Storage of the product

- 24 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +4°C and +30°C.
- Protect the product against humidity.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	12 lattine da 1 L	NO	32 scatole	

Legenda ADR:
NO = merce NON PERICOLOSA

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

EDITION

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