

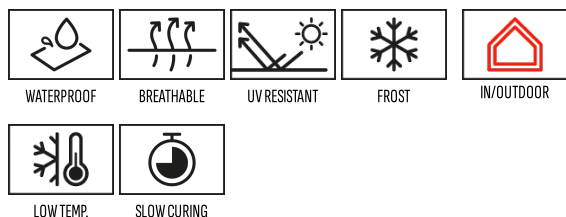
NORDRY 200 P

Long-lasting water-repellent solvent protection for external surfaces of any color, medium and low porosity

CE marking:
→ EN 1504-2 (H)

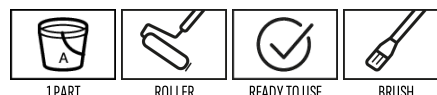


TECHNICAL FEATURES



FIELD OF APPLICATION

APPLICATIONS



Description

NORDRY 200 P is a liquid solvent-based water-repellent protector based on modified oligomers that can chemically react with mineral materials and make them water-repellent.

NORDRY 200 P:

- does not alter the colour of the treated surfaces;
- it does not reduce the breathability of the materials on which it is applied;
- it gives rise to a medium-long lasting water-repellent effect resistant to atmospheric agents and UV rays;
- Due to its strong resistance to alkalinity, it is particularly suitable for the early treatment of new products based on hydraulic binders (provided that they have reached the state of minimum maturation).

For water-repellent treatment of fresh mortar or unseasoned concrete surfaces, use NORDCEM PRIMER (see Data Sheet).

NORDRY 200 P can also be conveniently used for the treatment of damp walls that present problems of salt efflorescence (saltpetre).

CE Marking

► EN 1504-2

NORDRY 200 P meets the principles defined by EN 1504-9 ("Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control and conformity assessment. General principles for use and systems") and the requirements of EN 1504-2 ("Concrete surface protection systems") for the class:

→ PI-MC-IR

- For Principle 1 (PI) - Protection against the risks of penetration: 1.1 Hydrophobic impregnation (H).
- For Principle 2 (MC) - Moisture Control: 2.1 Hydrophobic Impregnation (H).
- For Principle 8 (IR) - Increasing Resistivity.

Colour

NORDRY 200 P is an transparent colourless liquid.

Field of application

NORDRY 200 P is used as a fully concealed water repellent for:

- concrete;

NORDRY 200 P

- stone materials;
- bricks;
- Plasters;
- wood.

NORDRY 200 P is not suitable for the treatment of materials with high porosity (walls in expanded clay bricks or other types of bricks with high porosity etc ...).

In these cases it is recommended to use NORDY 200 I-ECO (see Data Sheet).

NORDRY 200 P is also used in the treatment of damp walls with saltpetre problems.

Advantages

- NORDRY 200 P does not cause yellowing of the treated material even after long exposure to the sun.
- NORDRY 200 P is very durable, especially when applied to materials containing active silica.
- If applied to surfaces that are not too damp and protected from rain in the first few hours after treatment, NORDRY 200 P does not cause surface bleaching.
- NORDRY 200 P shows excellent penetrating ability.
- As an anti-saltpetre treatment, NORDRY 200 P is applied immediately before plastering. This shortens the processing time.

General preparation of the laying surface

► Preliminary investigations

Verify that the application media:

- it is dry (free of water in its liquid state);
- has a maximum humidity of 4% measured by the carbide method (UNI 10329, DIN 18560-4 or ASTM D4944).

► Getting Started

- Remove stains, moss and dark drips caused by rain by washing thoroughly with a pressure washer.
- To remove stubborn dirt and limescale sediments, before pressure washing, use DESMOG A or DESMOG C (see Technical Data Sheets), depending on the type of material to be treated.

Specific preparation of the laying substrate

► use as an impregnating agent against saltpetre

- thoroughly clean the (wet) laying surface.
- Thoroughly wet the laying surfaces with fresh water.
- Carry out the first roughcasting of the surface with DRY BETON SUPER dehumidifying plaster (see Technical Data Sheet).
- On the hardened roughcast, proceed with the application of NORDRY 200 P.

Product preparation

- NORDRY 200 P is ready to use.
- Shake the product lightly before sampling.

Product application

► As a water-repellent surface treatment

- Apply NORDRY 200 P to a roller, brush or vaporizer at low pressure (nozzle diameter 1.2 – 1.5 mm, air pressure 2 – 2.5 bar);
- When spraying, avoid dripping by carefully adjusting the amount of product applied.
- In the case of highly absorbent surfaces, apply a second coat of product 12 hours after the first.

► As an anti-saltpetre treatment for damp walls

- Apply NORDRY 200 P to a roller, brush or vaporizer at low pressure (nozzle diameter 1.2 – 1.5 mm, air pressure 2 – 2.5 bar);

NORDRY 200 P

- When spraying, avoid dripping by carefully adjusting the amount of product applied.
- Do not pour leftover product into the original jar.

Consumption

type of application	minimum consumption	maximum consumption	u.m.	notes
On concrete	0,15	0,20	L/m ²	(1)
On plaster with lime skim coat finish	0,30	0,40	L/m ²	(1)
On cotto walls	0,25	0,40	L/m ²	(1)
On mixed walls	0,30	0,40	L/m ²	(1)
As a treatment against saltpetre in damp walls	0,40	0,50	L/m ²	(1)

(1) The consumption may vary depending on the absorption of the surface and the number of coats applied.

Tool cleaning

- Fresh product: cleaning with white spirit or isoparaffin solvent.
- Hardened product: mechanical removal, soaking in solvents (acetone or nitro thinner) or use of paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful tips for laying

► As surface treatment

- For best results, avoid applying NORDRY 200 P during the hottest hours of summer.
- Avoid applying the product if there is a risk of rain within 24 hours of treatment.
- The product is flammable.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the airways wearing a dust mask equipped with a type A filter (brown strip, against organic vapour) or a type ABEK combined filter (brown-yellow-grey-green strip), according to EN 141.
- Read the Safety Data Sheet carefully before use.

► As an anti-saltpetre treatment for damp walls

- Apply at a temperature between +5°C and +35°C.
- Do not apply in direct sunlight.
- The product is flammable.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the airways wearing a dust mask equipped with a type A filter (brown strip, against organic vapour) or a type ABEK combined filter (brown-yellow-grey-green strip), according to EN 141.
- Read the Safety Data Sheet carefully before use.

Technical Data

► PRODUCT IDENTIFICATION DATA		value
Density at 23°C, EN ISO 2811-1	kg/L	0,79 ± 0,05
Kinematic viscosity (cup 3 ISO, 23°C), EN ISO 2431	s	23 ± 2
Appearance	-	Transparent liquid
Odor	-	Solvent
► APPLICATION DATA AND FINAL PERFORMANCE		value
Application temperature (ambient)	°C	From +8 to +35
Maximum atmospheric humidity for application	-	75%RH
Application temperature (support)	°C	+5 to +35
Maximum media humidity (carbide method), UNI 10329 / DIN 18560-4 / ASTM D4944	-	4,0%
Static contact angle (water repellency measurement), NORMAL 33/89	-	(130 ± 5)°

NORDRY 200 P

► TECHNICAL DATA IN ACCORDANCE WITH EN 1504-2		value
Depth of penetration, (table 3 n°19) EN 1504-2	mm	1.0 ± 0.1, Class I
Drying rate by hydrophobic impregnation, DRC coefficient, EN 13579	-	(50±5) %, Class I
Water absorption ratio to untreated specimen, AR%, EN 13580	-	444
Water absorption ratio to untreated specimen following immersion in alkalis, AR(alk)%, EN 13580	-	7.4 ± 0.2, Conforming

Product storage

• 24 months in the original closed packaging, in a dry, covered environment, protected from sunlight and at a temperature between +4°C and +30°C.

Packaging

VARIANT	PACKAGE	ADR	PACKAGE / PALLET	COMPONENTS	NOTES
-	12 x 1L cans	P*	32 boxes		-
-	4 x 5 L cans	P*	18 boxes		-
-	steel pail - 20 L	SI'	33 buckets		-

ADR legend:

NO = NON-DANGEROUS goods

P* = DANGEROUS goods packed in limited quantities (packed as per ADR Chapter 3.4)

SI = DANGEROUS Goods

LEGAL NOTES

Any advice concerning the methods of use of our products reflects the current state of knowledge and does not imply any guarantee and/or responsibility as to the outcome of the application. Consequently, the customer must verify the product's suitability for the intended use and purposes by testing the product in advance. The Internet website www.nordresine.com contains the latest revision of this technical sheet: in case of any doubts, verify the date of revision (where missing, use the date of issue) by consulting the "PRODUCTS" section.

EDITION

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