



## NORDRY 200 P

Long-lasting solvent-based water-repellent protective agent for outdoor surfaces of any colour, with medium and low porosity



CE marking:  
• EN1504-2-H

### TECHNICAL SPECIFICATIONS



### FIELD OF APPLICATION

### APPLICATIONS



### Description

NORDRY 200 P is a solvent-based water-repellent liquid product formulated with modified oligomers capable of reacting chemically with mineral materials and making them water-repellent.

NORDRY 200 P:

- does not alter the colour of treated surfaces;
- does not reduce the breathability of the materials to which it is applied;
- generates a medium- to long-term water-repellent effect resistant to atmospheric agents and UV rays;
- owing to its considerable resistance to alkalinity, it is highly suitable for the premature treatment of new structures made with hydraulic binders (provided they have reached their minimum curing stage).

For the water-repellent treatment of surfaces covered with wet mortar or uncured concrete, use NORDCEM PRIMER (see Technical Sheet).

### CE marking

► EN 1504-2

NORDRY 200 P fulfils the principles defined in the EN 1504-9 standard ("Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control and evaluation of conformity. General principles for use of products and systems") and to the requirements of the EN 1504-2 standard ("Protection systems for concrete surfaces") for the following class:

→ PI-MC-IR

- For Principle 1 (PI) - Protection against penetration risks: 1.1 Hydrophobic impregnation (H), ZA.1a.
- For Principle 2 (MC) - Humidity control: 2.1 Hydrophobic impregnation (H), ZA.1a.
- For Principle 8 (IR) - Resistance increase through the limitation of the humidity content: 8.1 Hydrophobic impregnation (H), ZA.1a.

### Colour

NORDRY 200 P is an transparent colourless liquid.

### Field of application

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

- concrete;
- stone materials;
- bricks;
- plasters;
- wood.

NORDRY 200 P is not suitable for treating materials with large pores (walls made of expanded clay bricks or other types of bricks with high porosity, etc.).

In these cases, we recommend using NORDY 200 I-ECO (see Technical Sheet).

# NORDRY 200 P

## Advantages

- NORDRY 200 P does not cause yellowing of the treated material even after prolonged exposure to sunlight.
- NORDRY 200 P is very durable, especially when applied to materials containing active silicas.
- If applied to surfaces that are not too damp and protected against rain during the initial hours after the treatment, NORDRY 200 P does not give rise to surface whitening effects.

## General preparation of the laying support

### ► Preliminary surveys

Verify that the application support:

- is dry (free of water in the liquid state);
- has a maximum humidity of 4% measured according to the carbide method (UNI 10329 or ASTM D4944 or standard).

### ► Preliminary operations

- Eliminate stains, moss and dark drop marks caused by rain by thoroughly washing the surface with a water jet cleaner.
- To eliminate stubborn dirt and calcareous deposits, before the power wash, use DESMOG A or DESMOG C (see Technical Sheets) depending on the material to be treated.

## Preparing the product

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

## Application of the product

- Apply NORDRY 200 P using a roller brush or low-pressure vaporiser (nozzle diameter 1.2–1.5 mm, air pressure 2–2.5 bar);
- When applied by spraying, avoid dripping by carefully adjusting the quantity of product applied.
- In case of highly absorbent surfaces, apply a second coat of product with a 12-hour interval in between.

## Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
On concrete	0,15	0,20	L/m <sup>2</sup>	-
On plaster with lime skim coat finish	0,30	0,40	L/m <sup>2</sup>	-
On cotto walls	0,25	0,40	L/m <sup>2</sup>	-
On mixed walls	0,30	0,40	L/m <sup>2</sup>	-

## Cleaning of tools

- Wet product: clean with WHITE SPIRIT or isoparaffin solvent.
- Hardened product: remove mechanically, soak in solvents (acetone or nitro thinners) or use paint strippers (FLUID STRIPPER or GEL STRIPPER).

## Useful application tips

- For improved results, NORDRY 200 P should not be applied during the hottest hours in summer.
- Avoid applying the product if rain is forecast within the 24 hours after application.
- The product is flammable.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the airways using a dust mask equipped with A organic vapour filters (brown strip) or combined ABEK filters (brown-yellow-grey-green strip), as per the EN 141 standard.
- Read the Safety Sheet carefully before using the product.

## Technical data

# NORDRY 200 P

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C, EN ISO 2811-1	kg/L	0,79 ± 0,05
Kinematic viscosity (ISO cup 3, 23°C), EN ISO 2431	s	23 ± 2
Appearance	-	Transparent liquid
Odour	-	Of solvent

  

► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Application temperature (ambient)	°C	From +8 to +35
Maximum atmospheric humidity for application	-	75%UR
Application temperature (support)	°C	From +5 to +35
Maximum atmospheric humidity for application	-	75%UR
Maximum humidity of the support (carbide method), UNI 10329	-	4,0%
Static contact angle (measure of water-repellency), NORMAL 33/89	-	(130 ± 5)°

  

► TECHNICAL DATA IN CONFORMITY TO EN 1504-2	UoM	value
Depth of penetration (scheme 3 no. 19) EN 1504-2	mm	1.0 ± 0.1, Class I
Drying speed for hydrophobic impregnation, DRC coefficient, EN 13579	-	(50±5)%, Class I
Water absorption ratio with respect to the untreated specimen, AR%, EN 13580	-	4,8 ± 0,1, Conforme
Water absorption ratio with respect to the untreated specimen, following immersion in alkalis, AR(alk)%, EN 13580	-	7.4 ± 0.2, Conforming

## 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.

## Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	12 lattine da 1 L	P*	32 scatole	
-	4 latte da 5 L	P*	18 scatole	
-	fustino met. da 20 L	YES	33 fustini	

Legenda ADR:

P\* = merce PERICOLOSA imballata in quantità limitata (confezionata come da Cap. 3.4 ADR)

SI' = merce 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](http://www.nordresine.com) contains the latest revision of this datasheet.

## EDITION

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