

NORDCEM PRIMER

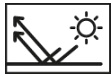
Highly penetrating liquid primer
with osmotic effect for structures
to be treated with NORDCEM



TECHNICAL FEATURES



WATERPROOF



UV RESISTANT



FIRE



FROST

FIELD OF APPLICATION



IN/OUTDOOR



POOLS

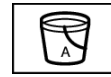


GARAGE



FOUNDATIONS

APPLICATIONS



1 PART



READY TO USE



ROLLER



BRUSH



LOW TEMP.



SLOW CURING

Description

NORDCEM PRIMER is a liquid primer with osmotic action to be applied prior to treatment with NORDCEM. NORDCEM PRIMER acts together with NORDCEM by enhancing its waterproofing effect. NORDCEM PRIMER is a hydro-alcoholic dispersion of low molecular weight silane-monomers that:

- deeply penetrate into the treated material.
- preserve the substrate water vapour permeability (breathable treatment).

NORDCEM PRIMER guarantees excellent performances also in highly alkaline and humid conditions, typically associated with concrete works cast a few days before.

From a chemical perspective, NORDCEM PRIMER is a "stabilized activated precursor", i.e. a substance already active in the liquid phase which, upon contact with the substrate, reacts chemically with it, producing the waterproofing effect.

In this form it can be stored for very long periods without decaying its properties.

Colour

The liquid phase product is colorless, slightly opalescent.
Once applied and allowed to cure, it becomes totally colorless.

Field of application

NORDCEM PRIMER is suitable to realize chemical barriers against water on building materials in general. In particular, its use is recommended:

- In the presence of building materials with thin capillaries.
- In waterproofing treatments subjected to negative hydrostatic thrust, in combination with a subsequent treatment with NORDCEM in order to make the substrate stably hydrophobic in depth.
- As a preliminary substrate treatment in positive hydrostatic thrust waterproofing treatments carried out with resins (e.g. tanks or swimming pools), in order to prevent coating blistering.
- To perform chemical barriers against capillary rise in brick, mixed or stone walls.
- To perform chemical barriers in concrete walls. The exception is concrete block walls for which NORDRY 200 I-ECO is recommended (see Technical Data Sheet).
- against saline efflorescence and as a water repellent on both dry and wet absorbent materials (concrete, screeds, plasters, terracotta, absorbent silica natural stones etc.).
- in order to allow wet surfaces to dry before proceeding with subsequent treatments (e.g. cement or lime-based skim coats, waterproofing coatings, protective resins etc.).

This is possible because NORDCEM PRIMER works even in the presence of humidity.

Advantages

- NORDCEM PRIMER is ready to use.

NORDCEM PRIMER

- NORDCEM PRIMER can be applied both on wet and dry substrates.
- NORDCEM PRIMER is quick and easy to apply.
- NORDCEM PRIMER shows a very long-lasting effect.
- NORDCEM PRIMER does not give rise to superficial chromatic alterations and does not confer "wet effect".
- NORDCEM PRIMER preserves the surface breathability.
- NORDCEM PRIMER is UV and weather resistant.
- NORDCEM PRIMER does not give rise to chemical reactions or by-products harmful to the substrate.

General preparation of the laying surface

- There are no particular problems related to the substrate moisture.
- NORDCEM PRIMER works properly both on dry and wet surfaces, even at depth. However, its effectiveness is higher if the substrate moisture (measured by the carbide method according to UNI 10329, DIN 18560-4 or ASTM D4944) is greater than 4%.
- Check that the surface to be treated is free from oils, greases, paints and any other protective treatment that may prevent the product penetration.
 - Remove soluble salts, peeling parts and cement laitance by brushing and hydrosandblasting.

Product preparation

- NORDCEM PRIMER is ready to use.
- Shake lightly before use.

Product application

► Hand application (on the surface)

- Pour the product into a clean serving container.
- Apply with a brush, roller or low-pressure spray.

► Application by injection (chemical barrier)

To perform chemical barriers, use traditional low-pressure equipment available on the market. These systems consist of a pump, flexible pipes and injectors. The injectors must be inserted into the substrate to be treated through guide holes and must be easily removable for reuse (if necessary, refer to the Nord Resine Technical Service).

► Overcoating

- To achieve maximum adhesion, NORDCEM should be applied no later than 24 hours after the surface has been treated with NORDCEM PRIMER.
- Proceed with the same criteria even for all types of coating other than NORDCEM.

Consumption

type of application	minimum consumption	maximum consumption	u.m.	notes
Manual application on damp concrete (for 1 cm penetration)	0,12	0,13	L/m ²	
Manual application on dry concrete (for 1 cm penetration)	0,14	0,15	L/m ²	
Application by injection (chemical barrier)	0,075	0,090	L/cm/m	(1)

(1) Consumption is calculated per centimetre of thickness and linear metre of length of the wall to be treated.

Example: length of wall to be treated, L = 3 m; wall thickness, S = 30 cm.

The consumption of NORDCEM PRIMER is between the following two values:

$$0.075 \text{ L/m/cm} \cdot 3 \text{ m} \cdot 30 \text{ cm} = 6.75 \text{ L}$$

$$0.090 \text{ L/m/cm} \cdot 3 \text{ m} \cdot 30 \text{ cm} = 8.10 \text{ L}$$

Tool cleaning

- Fresh product: cleaning with water (also hydrowashing).

NORDCEM PRIMER

- Hardened product: mechanical removal.

Useful tips for laying

- Apply at temperatures between +5 and +40°C.
- Before applying NORDCEM PRIMER, inspect the surface and close all cavities greater than 0.3 mm.
- In order to obtain perfect adhesion over NORDCEM PRIMER, do not wait more than 24 hours after its application.
- The product is flammable.
- Read the Safety Data Sheet carefully before use.

Technical Data

► PRODUCT IDENTIFICATION DATA		value
Appearance	-	Liquid
Odor	-	Of alcohol
Color	-	Transparent/opalescent
Density at 23°C, EN ISO 2811-1	kg/L	0,83 ± 0,05
Brookfield apparent dynamic viscosity (23°C / 50% RH; spindle ASTM#1, 150 rpm), EN ISO 2555	mPa·s	10 ± 1
► APPLICATION DATA AND FINAL PERFORMANCE		value
Application temperature	°C	from +5 to +40
Full curing time	days	> 28

Product storage

- 24 months in the original closed packaging, in a dry, covered environment, protected from sunlight and at a temperature between +5°C and +25°C.

Packaging

VARIANT	PACKAGE	ADR	PACKAGE / PALLET	COMPONENTS	NOTES
-	12 x 1 L bottles	P*	-	-	-
-	4 x 5 L jerry cans	Si	-	-	-

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

The information contained in this Technical Data Sheet is based on the knowledge and experience gained by Nord Resine up to the date of its issue and is for indicative purposes only. It does not constitute a technical specification nor does it imply the assumption of any warranty, express or implied, or liability regarding the results obtainable, which depend on multiple factors beyond the control of Nord Resine.

It is the user's responsibility to verify in advance, also through suitable tests, the suitability of the product for the intended use, compatibility with the substrate, appropriate environmental application conditions, and the execution of the installation according to workmanship standards, assuming all liability arising from the use of the product and the final result of the works.

Nord Resine reserves the right to modify, at any time and without prior notice, product characteristics, packaging, contained quantities, and this technical documentation. Nord Resine products are intended exclusively for professional use.

This Technical Data Sheet cancels and replaces previous editions. Please check the latest and most updated revision at <https://nordresine.com/en/>

NORDCEM PRIMER

EDITION

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