

DRY CONCRETE

Water-repellent stain-proofing and anti-fouling protective agent for exposed concrete



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

DRY CONCRETE is a colourless, extremely fluid and ready-to-use solvent-based mono-component product formulated with fluorinated polymers in solution.

When applied to surfaces of structures made of concrete or other absorbent building materials, DRY CONCRETE absorbs and dries very quickly and creates an invisible protective film that prevents water from penetrating, but leaves its permeability to water vapour unaltered.

Unlike normal siloxane and silane products available on the market, DRY CONCRETE possesses:

- Extremely high resistance to UV rays (resistance to direct sunlight).
- Excellent anti-adhesion power against dirt.

These characteristics make DRY CONCRETE an extremely effective invisible protective agent suitable for a wide range of materials.

DRY CONCRETE leaves a “velvety” appearance on the treated surface.

This allows for improving the general aesthetic characteristics of the structure to which it is applied.

Colour

DRY CONCRETE is colourless and perfectly transparent.

Field of application

DRY CONCRETE is specifically formulated as a disappearing water-repellent, stain-proofing and anti-dirt agent for:

- Exposed concrete (beton brut).
- Tiles and stone materials.
- Plasters.
- Wood.

Advantages

- DRY CONCRETE is easy and quick to apply.
- DRY CONCRETE cures rapidly by developing its water-repellent and stain-proofing properties in a short time.
- DRY CONCRETE is invisible on the treated surfaces.
- DRY CONCRETE is resistant to sunlight and weathering.
- DRY CONCRETE can be easily renewed.

General preparation of the laying support

- The surfaces to be treated must be perfectly clean and dry.
- Eliminate stains, dark drop marks caused by rain or moss by thoroughly washing the surface with a water jet cleaner.
- On materials other than concrete, if necessary, wash the surface carefully with DESMOG A (see Technical Sheet) or NORDECAL FORTE (see Technical Sheet), depending on the material, followed by an abundant rinse.
- Wait for the surface to dry completely before proceeding.

Preparing the product

DRY CONCRETE

- The product is ready-to-use.
- Shake before use.

Application of the product

- Once the surface to be treated has dried completely, apply DRY CONCRETE using a roller, brush or low-pressure vapouriser.
- In case of highly absorbent surfaces, apply a second and, if necessary, a third coat of product with a 12-hour interval in between.
- During application with a roller and brush, fast and pronounced movements can cause foam to build up on the support. In such case, remove the foam with a clean cloth (even paper).

Consumption

The consumption of DRY CONCRETE is strictly linked to the material on which it is applied.

type of application	minimum consumption	maximum consumption	UoM	dilution
On prefabricated concrete	0,10	0,15	L/m ²	-
On concrete cast on-site	0,15	0,20	L/m ²	-
On stone materials (depending on the type of stone)	0,10	0,20	L/m ²	-
On plasters	0,20	0,40	L/m ²	-
On wood (depending on the type of wood treated and its absorption)	0,20	0,25	L/m ²	-

Cleaning of tools

- Wet and dry product: clean with thinner for nitro or polyurethane. If the product has dried, leave the tools soaked for a few hours.

Useful application tips

- Do not apply at temperatures, of both the environment and the support, below +5°C.
- If the storage temperature falls below 0°C, the product may become opalescent. In these conditions, the end result of the application would not be optimal. To restore the product to its correct physical state, perform the heat treatment described below:
 - In a container suitably sized to contain the DRY CONCRETE package, prepare a bain-marie with water at 40–50°C (avoid exceeding this temperature).
 - Immerse the DRY CONCRETE package in bain-marie for 2/3 of its height.
 - Leave DRY CONCRETE immersed for roughly 5 minutes the 1 l and 5 l containers, and for 10–15 minutes the 20 l container.
 - Shake the packages to obtain a homogeneous and transparent compound again.
 - At this point, DRY CONCRETE will once again be ready for use.
- In summer, avoid applying the product during the hottest hours of the day.
- In case of application outdoors, protect the surface against rain in the first 12–24 hours after application.
- The product is flammable.
- The product is dangerous, adopt suitable precautions and use the PPE specified in the Safety Sheet under point 8.
- 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-green strip), as per the EN 141 standard.
- Read the Safety Sheet carefully before using the product.

Maintenance

DRY CONCRETE is an easily restorable treatment since it does not produce exfoliations from the treated surface.

DRY CONCRETE

- If necessary, wash the surface to be restored using a water jet cleaner.
- Wait for the substrate to dry completely.
- Apply DRY CONCRETE with the normal method (see the "Applying the product" paragraphs).

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C, EN ISO 2811-1	kg/L	0,88 ± 0,05
Brookfield apparent dynamic viscosity (23°C / 50% R.H. ASTM#1 spindle, 150 rpm), EN ISO 2555	mPa*s	40 ± 15
Consistency	-	Liquid
Colour	-	Transparent clear
Odour	-	Of solvent

► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Application temperature	°C	from +5 to +35
Depth of penetration (scheme 3 no. 19) EN 1504-2	mm	1, Class I
Drying speed for hydrophobic impregnation, DRC coefficient, EN 13579	-	42%, Class I
Static contact angle (measure of water-repellency), NORMAL 33/89	-	(124 ± 4)°

Storage of the product

- 12 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +10°C and +30°C.
- Protect the product against frost.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	12 lattine da 1 L	P*	32 scatole	
-	4 latte da 5 L	P*	15 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 contains the latest revision of this datasheet.

EDITION

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