

COAT LUX

Final protection for polished plaster floors of the NATURAL range:
GLOSSY PROTECTIVE TOP COAT



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

COAT LUX is a water-based bi-component aliphatic top coat to be mixed when used. It creates a glossy and transparent final protective layer for NATURAL-series polished plaster surfaces.

Colour

COAT LUX creates a glossy transparent coating.

Field of application

COAT LUX is ideal for finishing and protection on the following materials:

- Finishing coatings made of cement or epoxy-cement skim coats, on the wall or floor.
- Floors made of concrete or cement screeds.

COAT LUX can also be used on cement and polymer-cement coatings with nature different to NATURAL. In this case, however, the compatibility must be verified through preliminary trials.

Advantages

- COAT LUX allows for making cement and polymer-cement surfaces impermeable and stain-proof.
- COAT LUX is a water-based product and does not emit any odours during application.
- COAT LUX is resistant to shower water.

Specific preparation of the laying support

► NATURAL TOP surfaces

- Smooth the surface with a 120–180-grit abrasive mesh.
- Completely remove any dust by carefully vacuuming the surface or rubbing a damp cloth.
- Make sure that the support is sufficiently cured (normally 8–12 hours after application in optimal environmental conditions).
- Apply NATURAL COAT PRIMER as explained in the Technical Sheet.
- Wait 6–8 hours until NATURAL COAT PRIMER cures completely.
- Proceed with the application of COAT LUX.

Preparing the product

The product preparation methods differ in relation to the packages.

► INDUSTRIAL PACKAGES

- Open the packages of components A and B.
- Pour comp. B into comp. A according to the weight ratio shown on the package.
- Mix thoroughly with a mechanical low-speed professional mixer.
- Dilute the A+B mix with:
 - 30% by weight of water on A+B (cool season)
 - 50% by weight of water on A+B (warm season)

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- Shake the diluted mix well to make it perfectly homogeneous.
- Once mixed and ready for use, the product must be used within 30 minutes (at 23°C), after which it cannot be further diluted to extend its usability: note that the expiry of its pot life cannot be seen (i.e. it does not become more dense or gel-like, like many commercial products).

► KIT PACKAGE

- Open the packages of components A (bottle) and B (bag).
- Pour comp. B into comp. A.
- Close the cap and shake the bottle until the contents are perfectly amalgamated.
- Dilute the A+B mix with:
 - 30% by weight of water on A+B (cool season)
 - 50% by weight of water on A+B (warm season)

NOTE: the bottles of comp. A in which the A+B mix is created have a label indicating the dilution levels.

To obtain the correct dilution, simply add water to the mix up to a level of +30% or +50%.

- Shake the diluted mix well to make it perfectly homogeneous.
- Once mixed and ready for use, the product must be used within 30 minutes (at 23°C), after which it cannot be further diluted to extend its usability: note that the expiry of its pot life cannot be seen (i.e. it does not become more dense or gel-like, like many commercial products).

Application of the product

- Apply the product with a short-bristle roller.
- COAT LUX must be applied in two coats, with an interval of 5–6 hours in between.

Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
For 1 coat on NATURAL TOP treated with NATURAL COAT PRIMER	0,04	0,06	kg/m ²	(30–50)% by weight of water on A+B

Cleaning of tools

- Rinse the tools and containers used for the application several times with water.
- Hardened product: remove mechanically, with an open flame or thermal gun (to be preferred).

Useful application tips

- Once mixed and ready for use, the product must be used within 30 minutes (at 23°C), after which it cannot be further diluted to extend its usability: note that the expiry of its pot life cannot be seen (i.e. it does not become more dense or gel-like, like many commercial products).
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C (Component A), EN ISO 2811-1	kg/L	1,04 ± 0,03
Density at 23°C (Component B), EN ISO 2811-1	kg/L	1,08 ± 0,03
Density at 23°C (A+B mix), EN ISO 2811-1	kg/L	1,04 ± 0,03
Appearance (A+B mix)	-	Milky white liquid
Odour	-	Slight, solvent-like
► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Mix ratio by weight (A:B)	-	3,5 : 1,0
Pot-life (viscometric), A+B viscosity doubling, EN ISO 9514	min	30 ± 5

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► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Minimum film-forming temperature (MFFT), ISO 2115	°C	+10
Surface drying time (23°C, 50% R.H.), EN ISO 9117-3	hours	6 ± 2
Minimum commissioning time, without contact with water (at 23°C, 50% R.H.)	days	3
Minimum commissioning time, with contact with water (at 23°C, 50% R.H.)	days	7
Surface gloss, gloss 60°, on NATURAL TOP, EN ISO 2813	-	80 ± 5
Wear resistance (only of the NATURAL COAT LUX top coat) – Taber Method, CS17 grinding wheel, 25 revolutions, 1 kg load, EN ISO 5470-1	mg	11,8 ± 0,2
Wear resistance (of the NATURAL cycle inclusive of NATURAL COAT LUX TOP COAT**) – Taber Method, H22 grinding wheel, 1,000 revolutions, 1 kg load, EN ISO 5470-1	mg	3710 ± 10

► CHEMICAL RESISTANCE to COLD LIQUIDS for HORIZONTAL SURFACES UNI 10944* - ON COMPLETE NATURAL CYCLE with NATURAL COAT LUX FINISH**	Contact time	Outcome
Acetic acid (aqueous sol. 10% by weight)	1 h	5
Acetone	10 s	5
Ammonia (aqueous sol. 10% by weight)	1 h	5
Red wine	1 h	5
Citric acid (aqueous sol. 10% by weight)	1 h	5
Detergent solution	16 h	5
Coffee	1 h	5
Disinfectant (2.5% chloramine T)	1 h	5
Ink for stamps	72 h	4
Ethyl alcohol (aqueous solution 48% by volume)	1 h	5
Ethyl acetate + butyl acetate (1:1)	10 s	5
Olive oil	1 h	5
Liquid paraffin	1 h	5
Sodium carbonate (Solvay soda) (aqueous sol. 10% by weight)	1 h	5
Sodium chloride (aqueous sol. 15% by weight)	1 h	5
Tea	16 h	5
Deionised water	16 h	5
Pale beer	1 h	5
Final chemical resistance attribution class, UNI 10944	-	C

* Assessment of the corrosive EFFECTS caused by cold liquids applied to the test surface in accordance with the EN 12720 standard:

- 1: SIGNIFICANT PHYSICAL ALTERATION
- 2: SLIGHT PHYSICAL ALTERATION
- 3: SIGNIFICANT AESTHETIC ALTERATION
- 4: SLIGHT AESTHETIC ALTERATION
- 5: NO CHANGE

** The cycle subjected to chemical resistance tests as per UNI 10944 was made as explained in the Technical Sheet and consists of:

- 1 - BASE QUARTZ
- 2 - NATURAL BOND (2 coats)
- 3 - NATURAL TOP (1 coat)
- 4 - NATURAL COAT PRIMER (2 coats)
- 5 - NATURAL COAT LUX (2 coats)

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 +5°C and +30°C.
- Protect the product against frost.

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Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	kit (A+B) da 0,63 kg	P*	-	A = 0,49 kg (flacone) B = 0,14 kg (busta)
-	kit (A+B) da 1,35 kg	P*	-	A = 1,05 kg (flacone) B = 0,30 kg (lattina)
-	kit (A+B) da 4,5 kg	P*	-	A = 3,5 kg (tanica) B = 1,0 kg (lattina)

Legenda ADR:

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

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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