

SUPERMAT

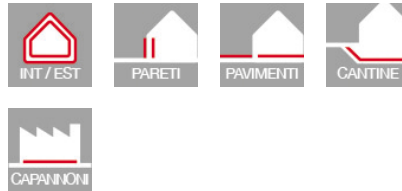
Finitura trasparente bi-componente a base solvente ad effetto naturale per calcestruzzi colorati, microcementi, rasanti a base cementizia e spatolati



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Finitura trasparente bi-componente a base solvente ad effetto naturale per calcestruzzi colorati, microcementi, rasanti a base cementizia e spatolati

Description

SUPERMAT is a solvent-based bi-component finish, to be prepared just before use, formulated for creating a transparent and matt final protective coat, with natural effect (practically invisible), for coloured concrete surfaces, NATURAL polished plaster coatings, micro-cement coatings and cement-based skim coats.

When applied according to the correct method, SUPERMAT allows for creating a film-forming impregnating agent that creates a barrier against the penetration of dirt and humidity.

Colour

SUPERMAT is transparent and colourless. Forms a matt film with Gloss at 60° below 10.

Field of application

SUPERMAT is ideal for finishing and protection on the following surfaces:

- solid-coloured concrete cast in mould;
- finishing coatings made of cement or epoxy-cement skim coats, on the wall or floor;
- floors made of concrete or cement screeds.

Given its characteristics, SUPERMAT can also be used for other types of cement and polymer-cement surfaces.

Advantages

- SUPERMAT creates a totally invisible protective film with natural effect.
- SUPERMAT possesses a high consolidating power and considerably increases the surface's scratch-resistance.
- SUPERMAT can be applied by spraying or with a roller.

General preparation of the laying support

The laying surfaces must be completely finished:

→ if specified, they must have already been impregnated with hydrophobicising agents (see, for example, the case of NATURAL COAT PRIMER)

→ if necessary, they must be smoothed with fine-grit sandpaper to eliminate any defect that can ruin the outcome.

Preparing the product

- Thoroughly mix Comp. A beforehand by shaking the container or using a low-speed professional mixer.
- Pour SUPERMAT Comp. B into Comp. A and mix thoroughly using a low-speed professional mechanical mixer until the mix becomes fully homogeneous.
- Add to the A+B mix the specific thinner: SOLVENT FOR SUPERMAT in the measure of 50 parts by weight on 100 parts by weight of A+B.
- Homogenise the diluted mixture.
- Once the A+B mix has been prepared and the thinner added, the product must be used within 120 minutes (at 23°C).

SUPERMAT

After this time, do not dilute the mix further to extend its useful life. A fresh mix must be prepared.
Be specially careful with this detail because the product does not have a visible pot-life (i.e. it does not become thicker or gel-like during the chemical reaction that occurs in the A+B mix).

Application of the product

To identify the correct consumption, it is very important to perform preliminary trials to establish – depending on the type of coating and the procedure used – the correct quantity to be used.

Regarding the application methods, take into account the following instructions.

► Application with a roller:

- Use a short-bristle roller or brush resistant to solvents for the application.
- Apply one or two coats of the product and wait until the first coat is tack-free before applying the second coat.

► Application by spraying:

- Apply using an airless sprayer or airbrush in two coats waiting roughly half an hour in between (ideal for small cement objects and for walls).

► Post-treatments to make the surface more resistant to soiling:

- Treat the surface with one coat of SEAL WAX applied with a wax spreader (see Technical Sheet) to obtain a strong anti-dirt effect while keeping the surface matt with a natural effect.
- Alternatively, brush the surface treated with SUPERMAT already well-cured using a single-disc floor scrubber equipped with a specific pad (for information on the type of pad, contact the Nord Resine Technical Service at support@nordresine.com).

► Protection of surfaces painted with enamels or water-based acrylic decorative paints:

- Wait for the enamel or paint to dry completely.
- Apply one coat of COAT MAT as a fixative to prevent the successive top coat of SUPERMAT from dissolving the acrylic enamel and blotching the colours.
- Wait at least 24 hours for COAT MAT to dry completely, then apply SUPERMAT directly according to the normal methods.

Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
For an opacifying treatment in 1 coat	0,105	0,120	kg/m ²	of (A+B) + 50% SOLVENT FOR SUPERMAT
For an opacifying and waterproofing treatment in 2 coats	0,40	0,60	kg/m ²	of (A+B) + 50% SOLVENT FOR SUPERMAT

Cleaning of tools

- Wet product: clean with ACETONE, SOLVENT FOR NORDPUR, polyurethane thinner or nitro thinner.
- Hardened product: remove mechanically, soak for at least 1 hour in ACETONE or nitro thinner, or use paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful application tips

- SUPERMAT must always be diluted with SOLVENT FOR SUPERMAT depending on the dosage specified in the “Preparation of the product” paragraph.
- 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.
- Carefully read the Safety Sheets of all the products involved in the SUPERMAT cycle before use.

Technical data

SUPERMAT

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C (Component A), EN ISO 2811-1	kg/L	0,915 ± 0,003
Density at 23°C (Component B), EN ISO 2811-1	kg/L	0,931 ± 0,003
Density at 23°C (A+B mix), EN ISO 2811-1	kg/L	0,914 ± 0,003
Dry residue (at 125°C, 1 hour), A+B, ISO 3251	-	(19,0 ± 0,5)%
► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Mix ratio by weight (A:B:SOLVENT FOR SUPERMAT)	-	4,0 : 1,0 : 2,5
Pot-life (viscometric), A+B+SOLVENT viscosity doubling, EN ISO 9514	min	120 ± 5
Application temperature	°C	From +10 to +35
Surface drying time (+23°C, 50% R.H.), EN ISO 9117-3	min	30 ± 5
Minimum commissioning time, without contact with water (at 23°C, 50% R.H.)	days	3
Minimum commissioning time, without contact with water (at 23°C, 50% R.H.)	days	7
Surface gloss, gloss 60°, on smooth cement skim coat, EN ISO 2813	-	6 ± 1
Scratch resistance, EN 15186	N	1,3 ± 0,2
Hardness of the coating (pencil hardness test, British class) ASTM D 3363	-	HB
Resistance to damp heat, EN 12721	-	4
Resistance to dry heat, EN 12722	-	5
Resistance to light exposure (assessment on grey scale), EN 15187	-	Between 4.5 and 5

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.
- Protect the product against humidity.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	kit (A+B+SOLV) da 1,88 kg	P*	-	A = 1,00 kg (lattina) B = 0,25 kg (can) SOLVENT = 0,63 kg (can)
-	kit (A+B+SOLV) da 6,00 kg	P*	-	A = 3,20 kg (fustino met.) B = 0,80 kg (lattina) SOLVENT = 2,00 kg (can)

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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