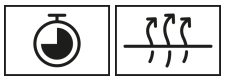
MATERIAL

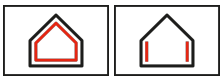
Decorative polychrome material coating with special effects for walls and furniture

CE marking:
→ EN 998-1 • Classification: GP-CSIII

TECHNICAL FEATURES



FIELD OF APPLICATION



APPLICATIONS

Description

MATERIAL is a white finishing skim agent based on aerial and hydraulic binders, calcareous aggregates and special additives and resins that make the product highly breathable.
MATERIAL is the ideal product for the realization of decorative coatings with high materiality (high relief), with special effects, for walls and furniture, with infinite possibilities of variations in texture and color.
MATERIAL to be protected with a transparent, non-yellowing polyurethane finish.

CE Marking

MATERIAL meets the principles defined by EN 1504-9 ("Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control and conformity assessment. General principles for use and systems") and the requirements of EN 1504-2 ("Concrete surface protection systems") for the class:
MC-IR →
• For Principle 2 (MC) - Moisture control: 2.2 Coating (C), ZA.1e.
• For Principle 8 (IR) - Increasing Resistivity.

Colour

MATERIAL is available in the following colours:
• white.
The surface coloring of MATERIAL is carried out according to the project with decorative pastes of the DEKOR-ART W and NORCOLOR ART lines (see Technical Data Sheets).

Field of application

MATERIAL differs from decorative systems currently on the market because it has been designed to be applied in areas with high presence of moisture, heat, grease and / or dirt.
MATERIAL is recommended for:
• Public and private offices, showrooms and shops.
• Bathrooms in public and private areas.
• Kitchen walls also in the cooking area.
• Walls of fountains and water features.
• Furniture upholstery.
MATERIAL is applicable on:
• Traditional plasters and concrete.
• Plasterboard and fibre cement walls.

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MATERIAL

• Recomposed wood panels.
• Tiled walls in stoneware, clinker, ceramic, natural and synthetic stone.

General preparation of the laying surface

General preparation of laying support
• Prepare the base by sanding or diamond grinding.
• In the case of absorbent surfaces; solid and planar, primer with PRIMER SW applied by roller.
• In case of non-absorbent surfaces, use PRIMER BOND SW applied by roller.

• Examine the substrate to be certain that it is a suitable, structurally sound base that is free of dusting and has no missing or detached parts.
• Prepare the base by sanding or diamond grinding.
• In the case of solid and flat surfaces, prime with MATERIAL 1C applied with a trowel.
• In the case of uneven surfaces that need to be consolidated, use MATERIAL BASE QUARTZ.

Product preparation

Preparing the product

• Mix slowly with a whisk pad, until the dough is lump-free.
• Let the dough rest for 2 minutes and stir again for 15 seconds.
• Proceed with the application of the product.

• Knead MATERIAL with 26% water.
• Mix slowly with a whisk pad, until the dough is lump-free.
• Let the dough rest for 2 minutes and stir again for 15 seconds.
• Proceed with the application of the product.

Product application

Application of the product

• 2nd coat (for material decoration): to fresco apply the 2nd coat of 1 with steel trowel.
• Cool on the 2nd coat (within 15 minutes at most) carry out the material decoration.
• 1st coat (bottom): apply with steel trowel, inserting (if necessary) the reinforcement in 160 GLASS MESH.
• 2nd coat (for material decoration): after about 3-4 hours apply the 2nd coat of MATERIAL with steel trowel.
• Cool on the 2nd coat (within 15 minutes at most) carry out the material decoration.

► *Surface decoration (colour effect)*

The following day perform the surface decoration with DEKOR-ART W or with NORDCOLOR ART.

► *Clear finish*

At 6-8 from the surface decoration, apply the protective finish:
• Polishes with MATERIAL COAT LUX applied in two coats (suitably diluted), 5 – 6 hours apart.
• Matte with MATERIAL COAT MAT, with a short-haired roller or brush.

Consumption

type of application	minimum consumption	maximum consumption	u.m.	notes
MATERIAL per coat	2,0	2,0	kg/m²	(1)

(1) The consumption of DEKOR-ART W or NORDCOLOR ART used for decoration varies depending on decorative requirements.

Tool cleaning

• Fresh product: cleaning with water (also hydrowashing).
• Hardened product: mechanical removal.

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Useful tips for laying

Useful application tips

• Do not apply in the presence of strong ventilation.
• Make backgrounds that are not too large in order to allow the correct execution of the decoration.
• Carefully read the Safety Data Sheets of all products involved in cycle 1 before use.
• Do not apply to inconsistent, dusty or degraded substrates.
• Do not apply in the presence of strong ventilation.
• Make backgrounds that are not too large in order to allow the correct execution of the decoration.
• Carefully read the Safety Data Sheets of all products involved in the cycle MATERIAL before use.

Technical Data

► PRODUCT IDENTIFICATION DATA		value
Consistency	-	whitish powder
Maximum grain size, EN 933-1 mm 0,63	Mm	0,63

► APPLICATION DATA		value
Bulk density of fresh mortar, EN 1015-6	kg/L	1,7
Mixing water for 1 bag of 25 kg	L	6,5
Application temperature	°C	from +10 to +35
Shelf life of the dough (at 23°C)	Min	20
Mixing water	-	26 %

► FINAL PERFORMANCE		value
Compressive strength (at 28 days), EN 1015-11	Mpa	6,2
Flexural strength (28 days), EN 1015-11	Mpa	3,1
Direct traction adhesion, EN 1542	Mpa	1,1

► FINAL PERFORMANCE OF THE MATERIAL SYSTEM ACCORDING TO EN 1504-2		value
Water vapour permeability, air thickness SD equivalent, EN ISO 7783	m	< 0,9 (class 1)
Capillary absorption and water permeability, EN 1062-3	kg/(m²·√h)	< 0,1

Technical data		value

Product storage

• KIT MATERIAL: 12 months in the original closed packaging, in a dry, covered environment, away from sunlight and at a temperature between +10°C and +30°C. The products are frost-proof.
• MATERIAL: 6 months in the original closed packaging, in a dry, covered environment, away from sunlight and at a temperature between +5°C and +35°C.

Packaging

VARIANT	PACKAGE	ADR	PACKAGE / PALLET	COMPONENTS	*NOTE*
2 m² - MATERIAL white	5 kg	NO	-		-
10 m² - MATERIAL white	20 kg - 4 x 5 kg (bag)	NO	-		-
NORDCOLOR ART (NCS-RAL)	tin - 1 kg	NO	-		*(1)*
DEKOR-ART W	tin - 1 kg	NO	-		*(2)*

NOTES:

(1) NORDCOLOR ART is available in all RAL or NCS table colours. Some colours may be subject to price increases.

(2) DEKOR-ART W is available in iridescent, metallic and pearlescent colours.

ADR legend:

NO = NON-DANGEROUS goods

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P* = DANGEROUS goods packed in limited quantities (packed as per ADR Chapter 3.4)

SI = DANGEROUS Goods

LEGAL NOTES

Any advice concerning the methods of use of our products reflects the current state of knowledge and does not imply any guarantee and/or responsibility as to the outcome of the application. Consequently, the customer must verify the product's suitability for the intended use and purposes by testing the product in advance. The Internet website www.resinenativus.it contains the latest revision of this technical sheet: in case of any doubts, verify the date of revision (where missing, use the date of issue) by consulting the "Download → Technical data sheet" section.

EDITION

Issue:

Revision:

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