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Roxidan

OXIDIZED-EFFECT DECORATIVE FINISH FOR INTERIOR AND EXTERIOR USE



SERIES 391

ROXIDAN - V.2024-09-23

DESCRIPTION

The ROXIDAN finishings create a metallized decorative patina that reproduces the typical oxidized effect of backgrounds that have been aged due to weathering.

Any wall and wooden surface decorated with ROXIDAN Perla takes on the lively, textured appearance of Corten steel. ROXIDAN Platino (platinum) is used to produce light-grey patinas that are characteristic of many non-ferrous metals.

Depending on the application technique, you can use ROXIDAN allows to quickly and easily create textures with a high aesthetic appeal having special colour shades and irregularities that are pleasant to the touch.

Outdoor applications must be carried out on backgrounds that must be identified depending on the aesthetic effect and the type of background (conventional or heat-insulating).

TECHNICAL SPECIFICATIONS

-Type of Binder: Acrylic copolymer in an aqueous dispersion
-Pigments and extender: Metallic pigments

- Classification per UNI EN 1062-1: (paints for exterior)

.Gloss per EN ISO 2813: class G₃ (<10, matt)

.Dry film thickness per ISO 3233: class E₂ (50-100 µm)

.Grain size per EN ISO 1524: class S₁ (<100 µm, fine)

.Water vapour transmission rate per UNI EN ISO 7783-2: class V₁ (Sd<0,14 m, high)

.Liquid water permeability per UNI EN 1062-3: class W₃ (W≤0,1 low)

.Crack-bridging per UNI EN 1062-7A: class A₀ (no requirement)

.CO₂ permeability per UNI EN 1062-6: class C₀ (no requirement)

-Specific gravity per EN ISO 2811-1:

Perla 3910001: 1.13 ± 0.05 kg/l

Platino 3910002: 1.02 ± 0.05 kg/l

- Classification of reaction to fire EN13501-1: Class A2 s1 d0
Referred to a consumption not exceeding that indicated, and to an application on a non-combustible surface.
- Drying time (at 25°C and 65% R.H.): to touch in 30 min; to recoat after 2 hours.

INSTRUCTIONS FOR USE

Applicable for interiors on:

- New and old plasters based on hydraulic binders.
- Concrete surfaces.
- Plaster and gypsumboard surfaces.
- Old paints and organic or mineral coatings that are dry, compact, absorbent and not damaged.
- Wood, chipboard, plywood and similar surfaces. Exterior application:
- Surfaces treated with thermal-insulation systems. Due to the type of product and the colours that can be produced in intensive shades, ROXIDAN is particularly suitable for use on insulation systems made of ROCK WOOL or CLAY. The use of different types of insulation is possible after assessing the thermal stress of the surfaces from solar radiation.
- New and old plasters based on hydraulic binders
- Concrete surfaces.
- Old paints and organic or mineral coatings that are dry, compact, absorbent and not damaged.
- Various mineral conglomerates, provided they are absorbent.

The surfaces must be suitably prepared following the instructions in the paragraph 'BACKGROUND PREPARATION'.

Do not apply onto fresh backgrounds that are rather alkaline. An adequate curing time must be allowed, generally of four weeks.

PREPARING THE SURFACE

Interior application:

For decorating with ROXIDAN, the backgrounds must be suitably prepared by applying the decorative primer filler FORMA SERIE 340. Please see the relevant data sheet. Exterior application on:

- Ensure that the background surface is dry and cured. If necessary, rebuild or consolidate it using specific products.
 - If mould is present, treat the surface with COMBAT 222 (code 4810222) and COMBAT 333 (code 4810333).
 - Remove any efflorescence and flaking parts of old paintwork by brushing or washing. Completely remove any thick coats of lime or tempera paints.
 - Remove any deposits of dust and grime by brushing.
 - Cracks on the interiors and exteriors must be suitably widened and filled with filler or similar products.
 - Level out any irregularities on the background. Holes, cracks and hollows can be treated with BETOMARC FIT 9740150, with RASAMIX FIT 9740150, with MARCOPRO 9750019/9750010 depending on the type of background.
 - Make sure the substrate is dry and apply a coat of ATOMO 8840001 micronised solvent-free fixative, or ISOMARC 4410111 insulating solvent-based wall fixative.
 - On uneven surfaces, you can apply a coat of the acryl-siloxane levelling filler ACRISYL GRIP series 932.
 - As a first coat, apply one of the following thick coatings of any grain size from the range: SCUDOSIL, ACRISYL, VENEZIAGRAF. For smooth finishes, you can use CONCRET_ART.
 - Apply ROXIDAN finishing product as described in the application instructions.
- For surfaces insulated with ETICS external thermal insulation system:
- Ensure that the substrate has a curing time in line with the manufacturer's

specifications.

- Check the consistency of the levelling, the surface of which must be firm and even.
- Apply one coat of IDROFIS 4700006 Water-based acrylic wall fixative, or ATOMO 8840001 solvent-free micronised fixative, or MARCOTHERM PRIMER 4740019 water-based covering fixative.
- As a first base coat, apply an anti-algae thick coating with a grain size of ≥ 1.2 mm.
- Apply ROXIDAN finishing product as described in the application instructions.

APPLICATION INSTRUCTIONS

- Ambient and background conditions:
Ambient temperature: min. +8 °C, max. +35 °C
Ambient relative humidity: <75%
Background temperature: min. +5 °C, max. +35 °C
Background humidity: < 10%
- Tools: stainless steel trowel, brush, sponge.
- Number of coats: 1.
- Dilution: ready to use.
- Clean the tools with water immediately after use.
- Indicative coverage: 8-10 m²/l per coat, depending on the visual effect. We recommend checking actual coverage by making a preliminary test on the specific background. Application procedures:
 - Wait for the primer to dry (see the relevant technical data sheet).
 - Apply ROXIDAN to the entire surface using a stainless-steel trowel, brush or sponge.
 - Immediately wipe the surface with the tool to remove excess.
 - Wait 1-2 minutes and use the tool to finish the surface.
 - Only for effects that require it, a second coat can be applied after 2 hours in the same way.

TINTING

The product is available in the tinting base Perla (0001) and Platino (0002), which can also be used as a ready-made tint. The colouring can be obtained using the Tintometric System. When using different manufactures, we recommend mixing the various batches together to avoid slight colour differences in the ready-made colours.

STORAGE

Maximum temperature for storage stability: +30 °C
Minimum temperature for storage stability: +5 °C
The product should be preferably used within 2 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

SAFETY RULES

EU limit value (Dir. 2004/42/EC)
Cat. A/l: decorative effect coatings (water-base): 200 g/l (2010)
The product contains max: 200 g/l VOC

Use the product according to current health and safety regulations; after use, do not discard the containers in the environment; allow the residue to dry thoroughly, then treat as special waste. Do not dispose of residues in the sewers, waterways or ground. For more information consult the safety data sheet.

SPECIFICATION ITEM

Oxidized-effect decorative finish for interior and exterior use.
Application of ROXIDAN series 391, based on acrylic copolymer in water emulsion and metallic pigments, in quantities determined according to the absorption of the background and the desired visual effect.
Supply and application of material € per sq.m.