



**Colorificio
Sammarinese
SpA**

Via del Camerario 7
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c.o.e SM00026
Fully paid-up share capital
€ 3.000.000,00
Legal title
no. 26 dated 20 May 1944

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

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3800

OMNIA BRILLANTE multi-purpose waterborne acrylic enamel



Odourless acrylic enamel resistant to abrasion and scratching, suitable for all interior and exterior surfaces.

Washable with normal detergents and suitable for use in rooms where foodstuffs and beverages are produced and sold, in accordance with the HACCP standard.

Easy to apply, dries rapidly. Ideal for public buildings, health facilities, schools and community centres. Adheres to wood, iron, galvanised sheet metal, plastic, radiators, etc.



Date of revision

09/01/2024

Composition

Single-component, physically drying glossy acrylic, water-dispersion finishing coat.
Classification as per UNI 8681: B4.C.0.A.0.FA

Main properties

- resistant to scratching
- non-yellowing

Applications

Coating and renovating door and window frames, furniture and any wood or iron surfaces, following appropriate preparation, in interiors and exteriors. Ideal for coating heating units such as radiators, convection heaters and fan coils etc.

Coating of walls and skirting where an easily washable and, if necessary, disinfectable finish is desired in rooms used for the production and sale and foodstuffs and beverages, in accordance with the HACCP Standard.

Bianco, colour chart shades, Colormaker bases.

It can be coloured with the Colormaker tinting system; the number of available bases is indicated in the catalogue and in the Colormaker Lab software.

Colour

Technical specifications

(data measured at 20°C, with 65% R.H.)

| Technical specifications | Reference | UoM | Value |
|-------------------------------------|-------------------|-----|-------------------|
| Specific weight (pycnometer) | C022 | | 1.230 ± 0.030 |
| pH | C030 | | 8.20 ± 0.40 |
| Brookfield viscosity @ 200 rpm | C054 | cP | 1,700.00 ± 100.00 |
| Gloss 60° (instrumental control) | C005 | GU | 85.0 ± 3.0 Glossy |
| Grain structure | EN ISO 13300 | µm | <100 fine |
| Resistance to brushing while wet | EN ISO 13300 | | Class 1 |
| Gardner washability | UNI 10560:1996 | | >12000 cycles |
| Dirt-trapping capacity | UNI EN 10792:1999 | | < 3.0 (very low) |
| Odour release | UNI EN 11021:2002 | | Grade 0 |
| Cleanability | UNI EN 11021:2002 | | < 3.0 (very low) |
| Resistance to type-A washing agents | UNI EN 11021:2002 | | No alteration |
| Resistance to type-B washing agents | UNI EN 11021:2002 | | No alteration |
| Resistance to type-C washing agents | UNI EN 11021:2002 | | No alteration |
| Resistance to disinfectant agents | UNI EN 11021:2002 | | No alteration |



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| | | |
|-------------------------------------|-------------------|-------------|
| Resistance to moulds | UNI EN 11021:2002 | OK |
| Dust-free drying | | min. 20-30 |
| Tack-free drying | | min. 2 |
| Dry-hard drying | | hours 12-14 |
| Coat-over time | | hours 6-8 |
| Fire reaction on A1 and A2 surfaces | EN 13501-1 | A2-s1, d0 |
| Fire reaction paint only | EN 13501-1 | B-s1, d0 |

Method of use

- . Surface and application conditions Ambient temperature min. +5°C / max. +35°C R.H. < 80%.
 - . Application method Surface temperature min. +5°C / max. +35°C R.H. < 10%.
Brush, roller, airless.
 - . Thinner Water.
 - . Dilution
 - . Airless application Brush and roller 5-8%, spraying dilute 10-15%.
Nozzle diameter 0.013-0.019".
Nozzle pressure 120-160 bar.
The data for airless spraying is purely indicative and subject to adjustments.
The filters must be suited to the nozzle used.
 - . Application by spraying Airbrush:
Nozzle diameter: 1.5 mm.
Nozzle pressure: 3-4 atm.
 - . Mixing Mix the product with care, adding water gradually until you reach the correct viscosity.
 - . Theoretical coverage 9-10 m²/l per coat, depending on the absorbency of the surface.
-



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Application cycle

ON NEW WOOD

Apply a coat of white waterborne acrylic primer for Omnia series 3790.0050, appropriately diluted.

Sand after 12 hours and finish with two coats of OMNIA BRILLANTE, applied with 24 hours in between the coats.

ON NEW IRON

Clean, de-grease and carefully remove all rust.

Apply one coat of our Inoxal or Fosfinoal anti-rust coating or 1620.0000 Eko-Oxal to obtain a fully waterborne cycle.

After 24 hours, finish with two coats of OMNIA BRILLANTE.

ON WOOD OR IRON THAT IS ALREADY PAINTED AND IN GOOD CONDITION

Clean thoroughly, fill and sand any imperfections if required then apply two coats of OMNIA BRILLANTE.

ON NEW INTERIOR WALLS

Skim with Titanstucco, sand, apply one coat of Titancril 23400003 and finish with one or two coats of OMNIA BRILLANTE.

ON INTERIOR WALLS ALREADY PAINTED WITH WASHABLE WATERBORNE PAINTS (tempera and semi-washable paints excluded)

Clean the surface with water and detergents to remove all traces of dirt and grease.

Leave to dry and apply two coats of OMNIA BRILLANTE.

ON NEW EXTERNAL WALLS

Apply one coat of Titancril 23400003 and finish with two coats of OMNIA BRILLANTE.

ON EXTERIOR WALLS THAT ARE ALREADY PAINTED

Clean the surface with high-power pressure washing to remove dirt, grease and layers that are not anchored to the substrate. Apply one coat of 23200100 Titalprimer diluted to 30% with nitro thinner and finish with two coats of OMNIA BRILLANTE.

ON GALVANISED SHEET METAL

OMNIA BRILLANTE can also be used on galvanised sheet metal and PVC that have been appropriately prepared.

Notes

Any hardened drops can be easily removed with Diluente Nitro 92100012 thinner.

Storage

Do not allow to freeze; store between +5°C and +20°C. Once opened, the undiluted product can be kept for 3 months in the closed container stored in the dark.

Warnings

Wash brushes and tools immediately after use; do not dump the wash water in the ground or into groundwater.

Keep out of reach of children.

For further information, consult the safety data sheet.

VOC Classification - Directive 2004/42/EC - Italian Legislative Decree no. 161/2006

D/A -, maximum 130 g/l (2010).

Maximum VOC content of OMNIA BRILLANTE ready for use: 70,880 g/l.

Specification items

Apply 2 coats of OMNIA BRILLANTE, multi-purpose waterborne acrylic enamel, in the colour desired by the work supervisor, after suitable preparation of the surfaces to be treated. Includes materials and application, excludes skimming and/or scaffolding.

This information is the result of our practical experience but is purely indicative. For more detailed information, please contact our technical support service. This sheet annuls and replaces any previous editions.
