

3800

OMNIA BRILLANTE

Waterborne enamel resistant to scratches and abrasions



Omnia is the odourless high-performance waterborne acrylic enamel that can be used to coat objects made of iron, wood, galvanised sheet metal and plastic, as well as radiators. Resistant to scratches and abrasions, it is easy to apply, possesses excellent brushability, dries rapidly, does not yellow and can be sanitised easily. Moreover, it possesses the HACCP certification for environments where food is present. Available in the glossy, satin and matt finishes.



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Revision date	03/04/2026
Main properties	<ul style="list-style-type: none"> • odourless • resistant to scratches and abrasions • non-yellowing
Supports	Iron; wood; galvanised sheet metal; PVC; cast iron; wall brackets.
Colour	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.

Technical specifications	Reference	UoM	Values
(data measured at 20°C, with 65% RH)			
Specific weight (picnometer)	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
Resistance to moulds	UNI EN 11021:2002		OK
Dust-free drying		min	20-30
Tack-free drying		min	2
Deep drying		hours	12-14
Coat-over time		hours	6-8
Fire reaction on supports A1 and A2	EN 13501-1		A2-s1, d0
Fire reaction paint only	EN 13501-1		B-s1, d0

Method of use

. Surface application conditions	Ambient temperature min +5°C / max +35°C, R.H. <80% Surface temperature min +5°C / max +35°C, R.H. <10%
. Application method	Brush, roller, spraying.
. Thinner	Water
. Dilution	Brush and roller 5-8%
. Airless application	System: Wagner XVLP Material volume: 5 Air volume: 12 Dilution: 10% water
. Mixing	Mix the product with care, adding water gradually until you reach the desired application viscosity.
. Theoretical coverage	9-10 m ² /l for each coat.



Application cycle

ON NEW IRON

Clean and degrease the surface, removing any rust thoroughly. Apply one coat of Inoxal or Fosfinoxal anti-rust coating or 37900100 Omnia anti-rust coating to obtain a fully waterborne cycle. After 24 hours, finish with two coats of OMNIA BRILLANTE.

ON IRON THAT IS ALREADY PAINTED AND IN GOOD CONDITION

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

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 a 24-hour interval in between.

ON WOOD THAT IS ALREADY PAINTED AND IN GOOD CONDITION

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

PVC

Lightly sand the support and eliminate any trace of dust and dirt. Apply two coats of OMNIA BRILLANTE.

CAST IRON

Clean and degrease the surface, removing any traces of dust. Apply two coats of OMNIA BRILLANTE. Remove any rust and clean off any traces of calamine from the support.

Apply one coat of Inoxal or Fosfinoxal anti-rust coating or 37900100 Omnia anti-rust coating to obtain a fully waterborne cycle. After 24 hours, finish with two coats of OMNIA BRILLANTE.

ON INTERIOR WALLS

Apply one coat of TITANCRIL waterborne sealer fixative or FLATFIX pigmented fixative, which enhances adhesion, eliminates chalking, uniformes the support's absorbency, reduces the risk of marks forming and optimises paint consumption. If the support is already painted (tempera and semi-washable paints excluded), wash 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 EXTERIOR WALLS

Apply one coat of Titancril and finish with two coats of OMNIA BRILLANTE. If the support is already painted, clean the surfaces with a power wash to remove dirt, grease and layers that are not firmly anchored to the support. Apply one coat of Titalprimer diluted to 30% with Diluente Nitro and finish with two coats of OMNIA BRILLANTE.

Storage

Protect against frost, store at temperatures between +5°C and 35°C.

Warnings

Do not apply to structures affected by rising damp. Do not apply to warm walls or walls exposed to direct sunlight, especially during summer. Apply the product at a temperature between +5°C and +35°C. Clean the tools soon after use and do not disperse the residues in the environment. Keep out of reach of children. For further information, consult the safety data sheet.

EU limit value (Dir. 2004/42/ EC) - (Italian) Decree Law 161/2006

Cat. 1/d: interior/exterior trim and cladding paints for wood, metal or plastic (waterborne): 130 g/l (2010).
Maximum VOC content < 130 g/l.

Specifications items

Apply 2 coats of OMNIA BRILLANTE waterborne scratch- and abrasion-resistant enamel, in the colour desired by the work supervisor, after suitably preparing 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.
