

Art.0646

Ambiente Satinato

Art.0647

Ambiente Lucido

Art.0648

Ambiente Opaco

Water-based acrylic enamel, non-toxic, odourless, for universal use.



Mod. 51 Rev 64

Date of update 22/05/2020

**HACCP-CERTIFIED for hospitals and environments with food, according to UNI EN 11021:2002.
With SILVER IONS.**

CHARACTERISTICS:

AMBIENTE is a water-based acrylic premium paint, available glossy, satin or matt. It is lead-free and chromium-free, with lightfast pigments, and additives which improve its workability, expansion and conservation characteristics. It has excellent flexibility, surface hardness and water-resistance. **AMBIENTE** is resistant to atmospheric agents, washing with non-abrasive detergents, industrial fumes, and to chemical agents. It is easy to clean and has low dirt pick-up. **AMBIENTE** does not contain solvents and therefore does not release harmful odours during either the application or drying phase. It does not yellow, dries rapidly and remains elastic over time. Thanks to its bond strength, **AMBIENTE** is a universal paint that can be used on a wide variety of substrates. It is ideal for use in hospitals or food-processing environments and is certified according to Standard UNI EN 11021:2002 "Coatings and systems for environments with food". **AMBIENTE** contains silver ions, antibacterial protection of the film. **AMBIENTE** qualifies for green credits as per LEED® and Green Building Council (GBC) standard.

USE:

AMBIENTE is used with excellent results both in interior, walls and ceilings, as well as in exterior for painting wood, metal, galvanized metal, light alloys, PVC, plaster, concrete, bricks, fibercement. It is particularly suitable in public areas subject to severe wear such as clinics, hospitals, cafeterias, refrigeration and storage rooms and in the food-processing industry, where a product resistant to impact and abrasion, easy to clean and non-toxic is required. **AMBIENTE** is also a suitable to paint fiberglass coatings (such as Tasso, Glastex, Gavatex, etc.) or as a paint for renovation of skirting and orange-peel textured coatings.

PREPARATION AND APPLICATION:

ON WALLS – Apply on clean, dry substrates, free from humidity. Carefully brush the surfaces. In interiors, where necessary, fill holes and smooth the surface with **PLASTUC TIPO A** or **STUCCO IN POLVERE MP**. On new substrate or on old paints in good condition with good absorbency, apply one coat of **PRIMER A** fully saturating the surface, in order to consolidate the substrate and guarantee a good bonding to the next coat. Old flaking and/or peeling paint must be removed, then consolidate the substrate with **PRIMER A** in interior and **RESINPOL**. On acrylic paints, orange-peel textured coatings or old varnishes which are in good condition and perfectly adherent, apply directly after having removed all traces of dust and dirt. Apply two or three coats of **AMBIENTE** with a polyester fiber roller or brush. Dilute first coat 5% with water. Subsequent coats should be applied ready to use.

ON WOOD - On new wood apply one coat of **HYDRO XILO TRANSPARENT**, deep-penetrating primer and one coat of **COVERLEGNO**, water-based basecoat, then, on a completely dry and sanded surface apply two coats of **AMBIENTE** ready to use.

ON IRON – Carefully brush the surface and completely remove any rust. Apply one coat of anticorrosive primer in interior (**UNIMETAL HYDRO**) and two coats in exterior (**METAL**, **UNIMETAL** or **METAL PLUS**) then apply two coats of **AMBIENTE** ready to use.

ON ZINC AND LIGHT ALLOYS: Wash and remove any grease on the surface with an abrasive sponge and a solution of water, ammonia and detergent, then apply one coat of **UNIMETAL HYDRO**, water-based anticorrosive primer. After 24h apply 2-3 coats of **AMBIENTE**. First coat diluted 5%, subsequent coats ready to use.

ON PVC AND PLASTIC: Sand the surface, remove any dust or dirt and then apply a first coat of **UNIMETAL HYDRO**, water-based anticorrosive primer, or **PRO PRIMER**, adhesion promoter for difficult, non-absorbent substrates. Given the variety of materials and their different characteristics, we recommend to perform a preliminary adhesion test. For application of **AMBIENTE MATT**, do not use **PRO PRIMER**. After 24 hours, apply **AMBIENTE** in 2 coats, first diluted 5% with water and second one ready to use.

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IMPORTANT NOTES:

- Before beginning application, make sure that the substrate is perfectly dry and cured and is perfectly anchored to the substrate. Surface must be free from dirt, oil, mould, fungus, bacteria, efflorescence or any other element that might compromise adhesion or the successful outcome of the job.
- Protect the containers from freezing (minimum + 5°C)
- Store in a cool, dry place. Do not expose to direct sunlight.
- The temperature of both the work environment and the background should be between + 8°C and + 35°. Relative humidity must not exceed 75%.
- Prevent drying of the product at temperatures of either the work environment or the substrate below + 5°C.
- Obtain enough of the colour in a single batch to complete the job or at least to complete portions of work which do not draw attention to shade differences.
- Wash all tools with water immediately after use.

TECHNICAL DATA:

Drying Time at 20°C	Dust dry: 10 minutes Touch dry: 1 - 2 hours Overpaint: 4 - 6 hours. In depth: 12 hours
Consumption rate	0.050 – 0.060 l/m ² = 17 - 20 m ² /l
Gloss	Opaco (matt): approx 7G at 85° Satinato (satin): approx 30G at 60° Lucido (glossy) : 60 to 80G at 60° depending on the colour.
Specific Weight	1.150 ± 0.05 kg/l Lucido (glossy) and Satinato (satin) 1.28 ± 0.05 kg/l Opaco (matt)
Volume solids	Glossy 46%, Satin 48%, Matt 53%.
PVC	15%
pH	8-9
Dilution	With water
Packages	10 l - 2.5 l - 0.75 l
Bases	A – B – C (B and C only for Satinato and Lucido)
Colours	White, "NCS – Index", "I Colori del Colore", "RAL", "Armonie d'Interni". Ambiente Opaco (matt) available only in pastel colours.

TEST RESULTS (ACCORDING TO UNI 11021:2002)

RIF	Test	Measurement method	Value measured	Value required	Result
ESSENTIAL REQUIREMENTS					
7.1	Dirt pick-up	UNI 10792	ΔL=0.30	ΔL≤3.0	PASS
7.2	Odour release	Appendix A	0	≤1.0	PASS
SPECIFIC REQUIREMENTS					
8.1	Wet-scrub resistance	UNI 10560	>5000	≥5000	PASS
8.2	Resistance to abrasion	Appendix B	ΔE=1.32	ΔE≤3.0	PASS
8.3	Resistance to moulds	Appendix C	0	≤1.0	PASS
8.4	Resistance to liquids other than water	UNI EN ISO 2812-1	No alteration	No alteration	PASS
8.5	Resistance to disinfecting agents	UNI EN ISO 2812-2	No alteration	No alteration	PASS
8.6	Resistance to thermal shock	Appendix D	No alteration	No alteration	PASS

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Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:

Classification: A/ b) "glossy coatings for interior walls and ceilings";

Limit Phase II (from 01/01/ 2010): 100 g/l

VOC: 65 g/l (max).

The information contained herein is the result of scrupulously controlled tests and expresses our best and most up-to-date knowledge. Moreover this information is intended for informational purposes only. The manufacturer cannot be held responsible for the improper use of these products, nor does the information contained herein provide a pretext for disputes of any type. This is also in light of the fact that the working methods employed are beyond our control.

Please refer to the relevant Safety Data Sheet.