



Code 0.234

**over opaco**

Water based matt anti-scratch enamel

**GENERAL PROPERTIES**

OVER OPACO is a professional water dilutable enamel based on particular polyurethane polymers which lend a lacquer effect. The remarkable scratch/abrasion/blocking resistance make OVER OPACO the perfect paint for door/window frames. The good greasy-dirt resistance results in a product cleanable with common alcohol free detergents.

The good resistance to atmospheric agents, guaranteed by the remarkable adhesion & elasticity, lends an exceptional durability whether in or outdoors (wood must be sheltered). The prolonged *open time* makes OVER OPACO easy to apply and the originating film offers a good body, optimal flow and does not yellow.

OVER OPACO is ideal for the protection of wooden & iron substrates and guarantees a prestigious finish both in & outdoors.

OVER OPACO is non-flammable and free of unpleasant odours therefore, ideal for poorly aired rooms & highly populated public premises.

The Class A+ classification guarantees the highest standards to reduce the content of volatile substances considered harmful for health/environment.

CLASS OF EMISSION	C	B	A	A+
Formaldehyde	> 120 $\mu\text{g} \cdot \text{m}^3$	< 120 $\mu\text{g} \cdot \text{m}^3$	< 60 $\mu\text{g} \cdot \text{m}^3$	< 10 $\mu\text{g} \cdot \text{m}^3$
Acetaldehyde	> 400	< 400	< 300	< 200
Toluene	> 600	< 600	< 450	< 300
Tetrachlorethylene	> 500	< 500	< 350	< 250
Xylene	> 400	< 400	< 300	< 200
1,2,4-Triethylbenzene	> 2000	< 2000	< 1500	< 1000
1,4-Dichlorobenzene	> 120	< 120	< 90	< 60
Ethylbenzene	> 1500	< 1500	< 1000	< 750
2-Butoxyethanol	> 2000	< 2000	< 1500	< 1000
Styrene	> 500	< 500	< 350	< 250
Total VOC	> 2000	< 2000	< 1500	< 1000

OVER OPACO complies with the limits set forth in the French Decree N° 321/2011 dated 23.03.2011 & Order of 19.04.2011 (Class A+) based on emission after 28 days

**INSTRUCTIONS****Surface preparation:**

- Bare exterior woodwork: stucco any imperfections (knots, joints, nail-holes, etc.) with a synthetic stucco filling as required. Allow 24 hours, sand repair areas, clean & apply two coats of TEMA PITTURA OPACA RIEMPITIVA DI FONDO. Allow 5-6 hours & apply two layers of OVER OPACO.

- Bare interior woodwork: stucco any imperfections with LITOSTUCCO filling as required. Allow 6 hrs, sand, clean & apply two layers of TEMA PITTURA OPACA DI FONDO. Allow 6 hrs, sand with fine sandpaper, clean thoroughly & apply two layers of OVER OPACO.
- Painted woodwork: degrease with ordinary detergents, rinse, stucco any imperfections & sand the whole surface with fine sandpaper. Clean thoroughly & apply two layers of OVER OPACO.
- Bare iron surfaces: degrease with Diluente ARD 0.972.0042. Remove any flaking lamination & trace of rust with a wire brush or emery cloth. Clean thoroughly & apply two layers of OVER ANTIRUGGINE. Allow at least 24 hrs & apply two layers of OVER OPACO.
- Unsound painted ironwork: remove rust & unsound paintwork. Sand the whole surface, clean thoroughly & treat corrosion with one or two layers of OVER ANTIRUGGINE. Allow 24 hours before applying two layers of OVER OPACO.
- PVC surfaces: clean accurately, degrease with Diluente ARD 0.972.0042, sand if adequately & apply two layers of OVER OPACO.

### **Application:**

Roller application of OVER OPACO offers the best results. Apply as follows:

- Roller: use neat; apply in a uniform fashion with a roller for water based enamels.
- Brush: stir thoroughly & apply neat. If necessary, dilute at 5% in water volume. Allow at least 24hrs between layers and sand delicately.
- Air-spray gun: thin at 15-20% in water volume until roughly 80 DIN/sec viscosity (DIN cup # 4 at 20°C) and apply using 1,5-1,9 mm Ø nozzles - pressure around 3 kg/cm<sup>2</sup>. Allow at least 24 hours between each layer.
- Do not apply at ambient or substrate temperature below +5°C or above + 35°C. Avoid applying in direct sunlight.
- After application, exteriors must be protected from rain until perfectly dry, normally after approx. 48 hours at 20°C.
- Store the product in cool, frost free premises.
- Wash equipment immediately after use with water. Use in compliance with current Health & Safety Regulations. Do not release the containers into the environment.

Refer to the PSDS for further information.

- OVER OPACO is one of the 16COLOURS & WIZARD tinting systems' products.

**TECHNICAL PROPERTIES**

SPECIFIC WEIGHT	1310 ± 50 g/l	
VISCOSITY AT 20 °C	4000 ± 400 cP	
NATURE OF BINDER	polyurethane polymers	
GLOSS LEVEL (GARDNER GLOSSMETER AT 60°)	10±5	
DRYING AT 20 °C	DUST FREE	1 h
	TOUCH DRY	3 h
	THROUGH DRYING	24 h

**YIELD**

To obtain a good result it is necessary a minimum dry film thickness of 50 microns, which can be reached:

- by 2 layers applied by brush
- by 2 layers applied by roller

Said thickness, if applied correctly & without wastage implies a yield of approx. 7,5 m<sup>2</sup>/l.

**TENDER  
SPECIFICATION ITEM**

SCRATCH RESISTANT ODOURLESS MATT ENAMEL (WATER DILUTABLE)

Application on treated iron or wooden surfaces of two coats of a water-dilutable scratch resistant odourless matt enamel based on polyurethane polymers in aqueous dispersion & lightfast pigments type OVER OPACO with a minimum consumption of 0,14 l/m<sup>2</sup>.

€ /m<sup>2</sup>

The data herein were correct at the time of Quality Control and refer to standardized environmental conditions. The same are to be considered as a guide.  
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