



CODE 0.135

## **tema luce**

**Odourless water-dilutable glossy enamel**

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### **GENERAL PROPERTIES**

TEMA LUCE is a top-quality water-dilutable enamel formulated with a blend of acrylic polymers in aqueous dispersion & non-toxic lightfast colour pigments. These components lend an outstanding resistance to atmospheric agents, excellent colourfastness, remarkable adherence & elasticity. TEMA LUCE is easy to apply and produces a glossy, full film featuring high opacity and perfect flow. TEMA LUCE is odourless & non-flammable.

TEMA LUCE is a universal enamel suitable for top-quality finishes on ironwork, galvanized sheet iron, aluminium, light alloys, woodwork, plastic, asbestos cement & mural surfaces.

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### **INSTRUCTIONS**

#### **Surface preparation:**

- Bare ironwork: remove any flaking metal and traces of rust using a wire brush & emery cloth. Clean thoroughly and apply two coats of ARDINOX series 0.032 in the selected colour, or two layers of TEMA ANTIRUGGINE 0.037.9524. Allow 24 hrs before applying two coats of TEMA LUCE.
- Unsound painted ironwork: remove any traces of rust or unsound paintwork. Sand the whole surface, clean thoroughly and treat the corroded areas with one or two layers of ARDINOX or TEMA ANTIRUGGINE. Allow 24 hours before applying two coats of TEMA LUCE.
- Bare galvanized iron sheet, aluminium or light alloy surfaces: degrease thoroughly with Diluente ARD 0.972.0042. Ensure the substrate is perfectly dry and apply a coat TEMA ANTIRUGGINE. Allow at least 6 hours before applying two coats of TEMA LUCE.
- Bare exterior woodwork: stucco any irregularities (knots, joints, nail-holes, etc.) with a synthetic stucco smoothing as many times as necessary. Allow 24 hours, sand repair areas, clean thoroughly and apply two layers of TEMA PITTURA OPACA RIEMPITIVA DI FONDO 0.028.1010. Allow 5-6 hours before applying another two coats of TEMA LUCE.
- Painted woodwork: degrease with ordinary detergents, rinse, stucco any irregularities and sand the whole surface with fine sandpaper. Clean thoroughly and apply two coats of TEMA LUCE.
- Plastic (PVC) surfaces: clean thoroughly, degrease with Diluente ARD 0.972.0042 and apply two coats of TEMA LUCE.
- Walls (plaster or cement concrete) & asbestos cement structures: ensure the substrate has weathered for at least 28 days and clean thoroughly, removing dust, filth & any loose parts. Ensure the substrate is perfectly dry and apply a layer of ISOLEX W or ARDFIX. Allow at least 4 hrs before applying two coats of TEMA LUCE.

- Chalky surfaces: we recommend applying a layer of ISOLEX W (consolidating impregnating solvent 0.081.) or a layer of ARD FIX (water-based insulating impregnating agent 0.070.).

### Application:

Apply TEMA LUCE as follows:

- Brush: stir thoroughly and apply neat; if necessary, thin at 5-8% in water volume. Allow at least 5-6 hrs between coats at an ambient temperature of 20°C.
- Roller: thin at 1-3% by volume with water & apply uniformly using a short haired roller.
- Air-spray gun: thin at 10-15% 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. Allow at least 6 hours between each layer.
- Do not apply with ambient or substrate temperature below +5°C or above + 35°C. Avoid applying in direct sunlight.  
After application, all external surfaces must be protected against rain until perfectly dry; normally after approx. 48 hours at 20°C.
- Store in cool, frost proof premises.
- Wash tools and equipment immediately after use with water. Use in compliance with current Health & Safety Regulations. Dispose of spent material/containers according to the local regulations. Do not empty excess material into water tables. Refer to the PSDS for further information.
- TEMA LUCE is included in the 16 Colours & Wizard tinting systems.

<b>TECHNICAL PROPERTIES</b>	SPECIFIC WEIGHT	1030 ÷ 1260 g/l	
	VISCOSITY AT 20 °C	2800 ± 700 cP	
	NATURE OF BINDER	acrylic polymers	
	GLOSS LEVEL (GARDNER AT 60°C)	>75	
		Dust free	30 mins
	DRYING AT 20 °C	Touch dry	2 hrs
		Through drying	24 hrs

### YIELD

A minimum dry film thickness of 50 microns (2 roller/brush coats) is required for a good result. If applied correctly without spilling it yields 7,3 ÷ 7,8 m<sup>2</sup>/lt.

### TENDER SPECIFICATION ITEM

**ODOURLESS WATER-DILUTABLE GLOSSY ENAMEL**  
Application on treated iron/wooden surfaces of two coats of water dilutable odourless glossy enamel based on acrylic polymers in aqueous dispersion & lightfast pigments featuring outdoor resistance like TEMA LUCE with a min. consumption of 0.135 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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