

# s.102 – LUCE

## HIGH QUALITY WASHABLE WATER-BASED WALL PAINT FOR INTERIORS

### 1) GENERAL INFO and PURPOSES

Alkali-resistant, non-yellowing wall enamel based on special acrylic resins. Characterised by exceptional spreading and washability, ensures a prestigious, nicely satin-finished eggshell aesthetic finish, combined with high coverage and high white point. Good breathability and, thanks also to its low Volatile Organic Compounds (VOC) content, it is perfect for finishing quality interiors that also require convenient maintenance. Ideal for painting living areas, public places, schools, hospitals and food companies even where HACCP is required. Applicable after adequate preparation on multiple substrates: traditional plasters, premixed plasters and cement (perfectly dry and seasoned), adequately prepared wood panels, fibre cement and plasterboard.

### 2) CHARACTERISTICS and CLASSIFICATION (UNI 10795)

(*) Specific Weight (UNI 2811-01)	1.310 g/litre ± 20 g/litre
(*) PH at packaging	8.3 ± 0.5
(*) Kinematic viscosity at 25°C (gir. 4 at V = 20)	7.500 cps ± 750 cps
(“) Classification by chemical type of binder	Styrol Acrylic in aqueous emulsion
(“) Classification by end use	Decoration and Protection
(“) Dry Residue Mass (p/p)	52%± 2%
(“) Dry Residue Volume (v/v)	37% ± 2%
(“) Grain size (EN 21524)	Fine
(“) Recommended coverage	12-14 m <sup>2</sup> / l per coat
(“) Dirt Absorption (UNI 10792)	Very Low (dL < = 3).
(“) Filmability at low temperature (UNI 10793)	Good also at +5°C
(“) Gloss (UNI 10795)	Average Gloss (Satin-finished) 10 Gloss at 85°
(“) Washability (UNI 10560)	Excellent resistance to washing (>20000)
(“) Resistance to wet brushing (ISO 11998)	Class 1 (< µ5 after 200 cycles)
(“) Coverage (ISO 6504-3)	Class 2 at a coverage of 8 m <sup>2</sup> /l
(“) Resistance to alkalis (UNI10795 App.A)	Can also be applied on cementitious substrates
(“) Applicability and Top Applicability (UNI 10794)	Easily applicable 1st coat: no difficulty 2nd coat: good after 4 hours
(“) Mould resistance (UNI 11021 App.C)	0 (Suitable for preventing mould growth)
(“) Indoor Air Emission Classification	A+
Colours	White

Key:

("): Calculated/verified first formulation/revision.

(\*): Check carried out every tested lot.

(°): Check carried out once a year by an external certified laboratory.

**Note:** the technical data shown above refers to White.

Coverage may vary depending on the characteristics of the substrates and the application system used.

### 3) APPLICATION INSTRUCTIONS

#### 3.1 Working and substrate conditions

Working and substrate temperature: minimum +5°C maximum +35°C

Air relative humidity: maximum 65%

Relative WME substrate humidity: 15% Max

#### 3.2 Instructions for use

Application	Roller	Brush	Airless	Air
Thinner: Water	0 - 5 %(v/v)	0-10 %(v/v)	5-10 % (v/v)	10-20 %(v/v)
Nozzle diameter			0.4-0.5 mm	1.5-2 mm
Nozzle pressure			120-160 atm	2.5-4 atm
Solvent for cleaning	Soap and water immediately after use			

#### 3.3 Drying or hardening at +23°C and 65% relative humidity.

Drying time: 1 hour

Dry-to-recoat time: minimum 4 hours

Deep drying time: 6 hours

### 4) RECOMMENDED APPLICATION CYCLES

#### 4.1 Preparation on NEW WALLS and PLASTERBOARDS

Plasters should be cured and dry, clean, free of dust and of poorly consistent parts. Fill and sand imperfections, insulate the repairs. As a preparation coat, proceed with application preferably with a brush to facilitate penetration of the basecoat **Fondo base s. 131** diluted with 50% v/v water. Let dry for at least 4 hours and proceed with application of at least TWO coats (4 hours apart) of **Luce s.102** diluted 0-10% with water, depending on the type of application. **Luce s.102** can be applied with a brush, roller or airless spray.

#### 4.2 Preparation on OLD WALLS

Old surfaces with firmly bonded paints will be cleaned dust-free and fixed. Surfaces with paint that is not adequately bonded will be scraped and washed with basic detergents or water and ammonia. Then proceed with grouting and sanding any imperfections, followed by a thorough cleaning of the substrates, that must be free of dust or poorly consistent parts. Any mould formation should be neutralised and removed. As a preparation coat, proceed with application preferably with a brush to facilitate penetration of the basecoat **Fondo base s.131** diluted with 50% v/v water. Let dry for at least 4 hours and proceed with application of at least TWO coats (4 hours apart) of **Luce s.102** diluted 5-10% with water, depending on the type of application. **Luce s.102** can be applied with a brush, roller or airless spray.

**CAUTION:** do not apply on fresh substrates and/or levelling compounds. Always wait the adequate preparation time as indicated on the manufacturer's technical data sheet.

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## 5) STORAGE INSTRUCTIONS

Maximum storage temperature: +40 °C  
Minimum storage temperature: +5 °C

## 6) SPECIFICATION

Alkali-resistant, non-yellowing wall enamel based on special acrylic resins formulated for the Protection and Decoration of indoor products (UNI 10795-3.1). Characterised by Very Low dirt pick-up (UNI 10792):( dL < = 3 ). Average Gloss (Satin-finished) (ISO2813 15 Gloss at 60°). Excellent resistance to washing (UNI 10560) over 20,000 brush strokes. With resistance to wet abrasion class 1 (UNI 10998 ≤5µ after 200 cycles. Suitable for preventing mould growth (UNI 11021 App.C). Product suitable for application in public places, hospitals, food companies, schools where low dirt absorption and easy surface cleaning are required.

## 7) SAFETY INDICATIONS

See EEC labelling, comply with the updated Safety Data Sheet.

The manufacturer reserves the right to change the technical characteristics of the product without prior notice. Check [www.hyrid.it](http://www.hyrid.it) for updated Safety Data Sheets.