

ISOMAT PREMIUM COLOR ECO

Premium eco-friendly emulsion paint for interior use

Description

ISOMAT PREMIUM COLOR ECO is a premium, eco-friendly, matt emulsion paint for interior use, certified with the Ecolabel, as it meets the requirements of the European Union Ecolabelling Board (EUEB). Features excellent opacity and surface coverage, while offering great workability and flow. Has outstanding resistance to frequent washing and aging. Provides strong adhesion to any kind of old or new substrate. Offers a beautiful matt finish. Almost odorless.

Fields of application

ISOMAT PREMIUM COLOR ECO is used for indoor applications, on new or old surfaces, on all common building materials, such as concrete, plaster, gypsum boards, etc. Ideal for children's rooms, kindergartens, schools, hospitals, etc.

Technical data

Colors:	white and thousands of colors (ISOMAT COLOR SYSTEM)
Type:	vinyl
Dry film thickness: (EN ISO 2808)	44±2 µm (Spreading rate ≥10 m ² /l)
Wet film thickness: (EN ISO 2808)	100±5 µm (Spreading rate ≥10 m ² /l)
Viscosity: (ASTM D-562)	115±5 KU
Density (WHITE): (EN ISO 2811- 1)	1.46±0.03 kg/l
Adhesion: (EN ISO 4624)	≥ 2 N/mm ²
pH: (EN ISO 4316)	8-9.5 (+23°C)
Drying time: (EN ISO 9117)	1 h (touch dry)
Recoat time:	3-4 h
Vapor permeability: (medium, class II, 0.14<Sd <1.4) (EN ISO 7783- 2)	Sd=0.2±0.04 m

Capillary water

absorption: $W = 0.04 \pm 0.02 \text{ kg/m}^2\text{h}^{0.5}$
(low, class III, $W < 0.10 \text{ Kg/m}^2\text{h}^{0.5}$)
(EN ISO 1504-2)

Measurements acc. EN13300

Gloss level: Dead Matt
(EN ISO 2813: < 5 at 85°)

Opacity: ≥ 98%
(EN ISO 6504- 3) (Spreading rate ≥10 m²/l)

Whiteness: ≥ 87%
(EN ISO 6504- 3)

Wet Scrub Resistance: CLASS I
(EN ISO 11998: < 5 µm at 200 wash cycles)

Drying and recoat times may be increased by low temperatures and high humidity and reduced under high temperatures and low humidity conditions.

Cleaning of tools:

Tools should be cleaned with water immediately after use.

Directions for use

1. Substrate preparation

The substrate should be dry and free of grease, loose particles, dust, etc.

- Cracks or joints should be filled with ISOMASTIC-A acrylic sealant.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar.
- Plastered wall should be repaired with UNICRET and UNICRET-FAST premixed mortars.
- For puttying surfaces, STUCCOCRET cement-based putty should be used.

The substrate should be primed with the acrylic, micronized, water-based primer PRIMER CLASSIC, thinned by up to 50% with clean water. PRIMER CLASSIC is also ideal for the stabilization of loose or crumbly substrate. Priming is not necessary on already painted surfaces as long as the old paint is sound.

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2. Application

Before use, stir the content gently and apply as it is or thinned 5% to 10% with clean water. ISOMAT PREMIUM COLOR ECO is applied in two coats with a roller, brush or airless gun. The second coat is applied once the first one has completely dried.

The application should be postponed in case very low/very high temperatures (below 8°C or above 35°C) or conditions of relative humidity over 85% are expected. Harsh weather conditions might negatively affect the properties of the paint.

Coverage

ISOMAT PREMIUM COLOR ECO covers 10-12 m²/l, on previously prepared surfaces. (EN ISO 6504- 1).

Packaging

ISOMAT PREMIUM COLOR ECO is supplied in containers of 0.75 l, 3 l and 10 l.

Shelf life – Storage

24 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory a, type WB is 30 g/l (2010) for the ready-to-use product.

The ready-to-use product ISOMAT PREMIUM COLOR ECO contains ≤ 10 g/l VOC.

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