

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. 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. Delivers a beautiful matt finish. Nearly odorless.

Certified according to the criteria of the European Union Ecolabelling Board (EUEB).

Complies with Toy Safety Standard EN 71-3:2019 + A1:2021, Category III, on migration of certain elements.

Has achieved the Eurofins Indoor Air Comfort GOLD certification, which sets the stringent criteria for very low emissions of volatile organic compounds (VOCs) and contributes to good indoor air quality, ensuring a safe and healthy living environment.

Classified A+ (the highest rating), according to the French VOC regulation, for evaluation of VOC emissions.

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 < S _d < 1.4) (EN ISO 7783- 2)	S _d = 0.2 ± 0.04 m
Capillary water absorption: (low, class III, w < 0.10 kg/m ² h ^{0.5}) (EN ISO 1504-2)	w = 0.04 ± 0.02 kg/m ² h ^{0.5}
<u>Measurements acc. to EN 13300</u>	
Gloss level: (EN ISO 2813: < 5 at 85°)	< 5, Dead matt
Whiteness: (EN ISO 6504- 3)	≥ 87%
Wet Scrub Resistance: (EN ISO 11998: < 5 µm at 200 wash cycles)	CLASS 1

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.

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.

Technical data

Colors:	white and thousands of colors (ISOMAT COLOR SYSTEM)
Type:	vinyl
Volume solids:	44 ± 2 %
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

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 or ISOMAT ACRYL-STUCCO acrylic filler.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar.
- Plastered wall should be repaired with UNICRET and UNICRET-FAST premixed mortars.
- For surface smoothing, STUCCOCRET powder filler should be used.



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The substrate should be primed with the acrylic, micronized, water-based primer PRIMER-CLASSIC, thinned up to 50% with clean water. PRIMER-CLASSIC is also ideal to use for the stabilization of loose or crumbly substrates.

As an alternative to PRIMER-CLASSIC, the acrylic water-based primer FLEX-PRIMER may also be used.

When it comes to dark paint colors (Base TR), it is recommended to apply a coat of ISOMAT PREMIUM COLOR ECO tinted in a light shade of the same color tone on a base with higher opacity (e.g. Base P).

Surfaces stained by smoke, nicotine, exhaust fumes, water-soluble markers, pencils, etc. should be primed with the stain blocker BLOCK-PRIMER. Priming is not necessary on already painted surfaces as long as the old paint is sound.

2. Application

ISOMAT PREMIUM COLOR ECO should be thoroughly stirred before use. It is applied as is or thinned 5-10% with clean water, in two coats, using 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 approx. 12 m²/l per coat, on previously prepared surfaces.

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.

ISOMAT S.A.

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