

ISOMAT PROFESSIONAL

COLOR ECO

**Eco-friendly emulsion paint for interior use,
ideal for professionals**

Description

ISOMAT PROFESSIONAL COLOR ECO is an eco-friendly matt emulsion paint for interior use, ideal for professionals. Suitable for surfaces requiring frequent repainting, e.g. public buildings, hotels, hospitals, entertainment venues. Ideal for children's rooms, kindergartens, schools, etc. Features high opacity and surface coverage while offering great workability and flow. Has high resistance to washing and aging, as well as quick-drying and recoat times. 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.

Fields of application

ISOMAT PROFESSIONAL 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)
Volume solids:	41 ± 2 %
Type:	100% emulsion paint
Dry film thickness: (EN ISO 2808)	43 ± 3 µm (Spreading rate ≥10 m ² /l)
Wet film thickness: (EN ISO 2808)	100 ± 5 µm (Spreading rate ≥10 m ² /l)

Viscosity (KU): (ASTM D-562)	115 ± 5 KU
Density: (EN ISO 2811- 1)	1.60 ± 0.03 kg/l
pH: (EN ISO 4316)	8-9.5 at +23°C
Adhesion: (EN ISO 4624)	≥ 1.50 N/mm ²
Drying time: (EN ISO 9117)	1 h (touch dry)
Recoat time: (EN ISO 9117)	3-4 h
Vapor permeability: (EN ISO 7783- 2: V ₁ High, S _d < 0.14)	S _d = 0.12 ± 0.02 m
Capillary water absorption: (EN ISO 1062- 3: W ₂ medium, 0.10 < w < 0.50 Kg/m ² h ^{0.5})	w = 0.17 ± 0.02 Kg/m ² h ^{0.5}
<u>Measurements acc. to EN 13300</u>	
Gloss level: (EN ISO 2813: <10 at 85°)	< 10, Matt
Opacity: (EN ISO 6504- 3)	≥ 98.8% (Spreading rate ≥10 m ² /l)
Whiteness: (EN ISO 6504- 3)	≥ 89%
Wet Scrub Resistance:	CLASS 2 (EN ISO 11998: < 20 µm at 200 wash cycles)
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 may be filled with ISOMASTIC-A acrylic sealant.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar.
- Plastered wall may be repaired with UNICRET and UNICRET-FAST premixed mortars.
- For smoothing of surfaces, 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 stabilization of loose or crumbly substrates. In case you are going to paint with dark colors, as an alternative to PRIMER-CLASSIC, you can prime the substrate with the acrylic, water-based primer FLEX-PRIMER.

Priming is not necessary on already painted surfaces as long as the old paint is sound.

2. Application

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

Coverage

ISOMAT PROFESSIONAL COLOR ECO covers approx. 12 m²/l per coat, when applied to previously prepared surfaces.

Packaging

ISOMAT PROFESSIONAL COLOR ECO is supplied in 0.75 l, 2.5 l and 9 l containers.

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 PROFESSIONAL COLOR ECO contains ≤ 10 g/l VOC.

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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