

ISOMAT-CLASSIC ECO

High-quality, ecological emulsion paint for interior use

Description

High-quality, ecological emulsion paint for interior use, certified with the Ecolabel, as it meets the requirements of the European Union Ecolabelling Board (EUEB). ISOMAT-CLASSIC ECO is characterized by excellent surface whiteness and coverage, very good workability, as well as superb resistance to frequent washing and aging. It provides strong adhesion to any kind of old or new substrate like plaster, concrete, gypsum boards, etc. It does not contain ammonia or other dangerous substances and is almost odorless. It provides an excellent matt finish.

Fields of application

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

Technical data

Colors:	white and 1950 selected colors (ISOMAT COLOR SYSTEM)
Type:	100% emulsion paint
Gloss level (EN 13300): (EN ISO 2813: < 10 at 85°)	Matt
Viscosity (Poise): (EN ISO 2884-2)	14-16
Density: (EN ISO 2811-1)	1.43 kg/l
pH: (EN ISO 4316)	8-9 at +23°C

Opacity (EN 13300): min 98%
(EN ISO 6504-3)

Whiteness (EN 13300): min 87%
(EN ISO 6504-3)

Bond strength: 1.90 N/mm²
(EN ISO 4624)

Resistance to washing: > 20,000 cycles
Wet Scrub Resistance (EN 13300): CLASS I
(EN ISO 11998: < 5 µm at 200 wash cycles)

Dry film thickness: 43.0 µm (10.02 m²/l coverage)
(wet film thickness 95.2 µm)
(EN ISO 2808)

Drying time: 1 h (touch dry)
(EN ISO 9117)

Recoat time: 3-4 h

Vapor permeability: V=85 gr/m²d
Sd,=0,247m (medium, class II, 15<V<150, 0,14<Sd <1,4)
(EN ISO 7783-2)

Capillary water absorption: W=0.09Kg/m²h^{0.5}
(low, Class I, W<0.10 Kg/m²h^{0.5})
(EN ISO 1062-3)

Drying and recoat times may be extended under conditions of low temperature and high humidity, and correspondingly shortened under high temperature and low humidity conditions.

Cleaning of tools:
Tools should be cleaned with water, immediately after use.

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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 DUROCRET polymer-modified mortar.
- Plastered wall may 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 with up to 50% clean water. PRIMER CLASSIC is also ideal for the stabilization of the surface, when the substrate is loose or crumbly. Priming is not necessary on already painted surfaces, as long as the old paint is sound.

2. Application

Before using, stir the content lightly and apply, as it is or thinned with 5-10% clean water. ISOMAT-CLASSIC ECO is applied in two coats with a roller, brush or airless gun. The second coat is applied, once the first coat 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-CLASSIC ECO covers 10-12 m²/l, on previously prepared surfaces.
(EN ISO 6504-1).

Packaging

ISOMAT-CLASSIC 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 10 g/l (2010) for the ready-to-use product. The ready-to-use product ISOMAT-CLASSIC ECO contains a maximum of 7.86 g/l VOC.

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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