

Technical Datasheet

ISOMAT PROFESSIONAL COLOR

Emulsion paint for interior use, ideal for professionals

Description

ISOMAT PROFESSIONAL COLOR is a matt emulsion paint for interior use, ideal for professionals. Suitable for surfaces requiring frequent painting, e.g. public buildings, hotels, hospitals, schools, entertainment venues, 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.

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 is used for indoor applications, on new or old surfaces, on all common building materials, such as concrete, plaster, gypsum boards. For use also on surfaces treated with acrylic or cement-based fillers, etc.

Technical data

Colors:	white and selected colors through ISOMAT COLOR SYSTEM
Type:	emulsion paint
Volume solids:	40 ± 2%
Dry film thickness: (EN ISO 2808)	30 ± 2 µm
Wet film thickness: (EN ISO 2808)	70 ± 5 µm
Viscosity: (EN ISO 2884- 2)	115 ± 5 KU

Density (white): (EN ISO 2811- 1)	1.60 ± 0.03 kg/l
Adhesion: (EN ISO 4624)	≥ 1.5 N/mm ²
pH: (EN ISO 4316)	8-9.5
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 = 0.01 ± 0.005 m
Capillary water absorption: (EN ISO 1062-3: W ₁ high, w > 0.50)	w = 0.95 ± 0.05 kg/m ² h ^{0.5}
VOC content:	14.5 g/l
<u>Measurements acc. to EN 13300</u>	
Gloss level: (EN ISO 2813: < 10, at 85°)	< 10, Matt
Whiteness: (ASTM E313-15)	≥ 88%
Wet Scrub Resistance: CLASS 2 (EN ISO 11998: ≥ 5 µm & < 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 or ISOMAT ACRYL-STUCCO acrylic filler.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar.
- Plastered wall may be repaired with UNICRET and UNICRET-FAST premixed mortars.
- For surface smoothing, STUCCOCRET powder filler should be used.



ISOMAT PROFESSIONAL COLOR

The substrate should be primed with the concentrated, acrylic water-based primer ISOMAT PROFESSIONAL PRIMER, thinned 300-400% with clean water.

Loose or crumbly substrates should be primed with the acrylic, micronized, water-based primer PRIMER-CLASSIC, thinned up to 50% with clean water.

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

Before use, ISOMAT PROFESSIONAL COLOR should be thoroughly stirred. It is applied as is or thinned by 5-10% with clean water, in two coats, using a roller, brush, or airless spray. The second coat is applied once the first one has completely dried.

Coverage

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

Packaging

ISOMAT PROFESSIONAL COLOR is supplied in 0.75 l, 3 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 contains < 20 g/l VOC.

ISOMAT S.A.
BUILDING CHEMICALS, MORTARS & PAINTS
HEADQUARTERS – THESSALONIKI, GREECE
17th km Thessaloniki – Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece
T +30 2310 576000
www.isomat.eu e-mail: support@isomat.eu