

Technical Datasheet

ISOMAT BATH & KITCHEN

Premium anti-mold emulsion paint for interior use

Description

ISOMAT BATH & KITCHEN is a premium, anti-mold, matt emulsion paint for interior use. Expertly formulated with special fungicides, it inhibits fungal and bacterial growth, drastically preventing mold from growing. Ideal for spaces with high levels of humidity and condensation, such as kitchens, bathrooms, ceilings, basements, etc. Features excellent surface coverage and opacity while offering great workability and flow, as well as quick-drying time and outstanding resistance to frequent washing and aging. Provides strong adhesion to any type of old or new substrate. Offers a beautiful matt finish. Nearly odorless. Certified for its antibacterial activity according to ISO 22196: 2011.

Fields of application

ISOMAT BATH & KITCHEN is used for indoor applications especially on wet areas, on new or old surfaces, on all common building materials such as concrete, plaster, gypsum boards, etc.

Technical data

Colors:	white and thousands of colors (ISOMAT COLOR SYSTEM)
Type:	vinyl
Viscosity (Poise): (EN ISO 2884- 2)	115 ± 5 KU
Volume solids:	44 ± 2 %
Dry film thickness: (EN ISO 2808)	32 ± 3 µm
Density: (EN ISO 2811- 1)	1.46 ± 0.03 kg/l
Bond strength: (EN ISO 4624)	≥ 2 N/mm ²
pH: (EN ISO 4316)	8-9.5 (+23°C)
Drying time: (EN ISO 9117)	1 h in 23°C (touch dry)
Recoat time: (EN ISO 9117)	3-4 h (23°C)

Vapor permeability: $S_d = 0.20 \pm 0.04$ m
(EN ISO 7783-2: V_2 medium, $0.14 < S_d < 1.4$)

Capillary water absorption: $w = 0.04 \pm 0.02$ kg/m²h^{0.5}
(EN ISO 1062-3: W_3 low $w < 0.10$)

Antibacterial activity: Excellent, $R > 4.7$
Bacteria death >99.9%
(ISO 22196, test against Staphylococcus aureus and Escherichia coli, requirement $R > 2$)

VOC content = 11.6 g/l

Measurements acc. to EN 13300

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

Whiteness: ≥ 87%
(EN ISO 6504- 3)

Wet Scrub Resistance: CLASS 1
(EN ISO 11998: < 5 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 smoothing of surfaces, STUCCOCRET powder filler should be used.

When it comes to repainting surfaces affected by mold, it is essential that the surface be cleaned first with ISOMAT's special mold remover CL-MOLD. CL-MOLD should be left to act for 24 h and then the mold residue is removed with a sponge and rinsed with clean water. Finally, the surface should be allowed to dry completely.



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The surface 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. 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 BATH & KITCHEN should be thoroughly stirred before use. It is applied as is or thinned 5-10% with clean water, in two coats, with a roller, brush or airless gun. The second coat is applied once the first one has completely dried. Temperature during application and drying should be between +10°C and +35°C.

Coverage

ISOMAT BATH & KITCHEN covers approx. 12 m²/l per coat, on previously prepared surfaces.

Packaging

ISOMAT BATH & KITCHEN is supplied in buckets 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 BATH & KITCHEN contains a maximum of 30 g/l VOC.

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