

ISOMAT ZERO PAINT

Preservative-free, flat matt paint for interior use

Description

ISOMAT ZERO PAINT is a high-quality flat matt emulsion paint for interiors, free from preservatives and plasticizers, thus preventing allergic reactions in presensitized people. Being user- and environment-friendly with very low emissions of volatile organic compounds (VOCs), it helps maintain healthy indoor air quality. Features exceptional opacity from the first coat (CLASS 1 according to EN ISO 6504-3) and high surface coverage while offering great workability and flow. Has high resistance to washing and aging, as well as quick-drying and recoat times. Nearly odorless.

ISOMAT ZERO PAINT has been awarded the German Blue Angel certification, as it meets the criteria set by the Environmental Label Jury.

Has achieved the Eurofins Indoor Air Comfort GOLD certification, which sets the stringent criteria for very low VOCs emissions 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 ZERO PAINT is used on new or old interior surfaces, on all common building materials, such as concrete, plaster, gypsum board, etc. Suitable for surfaces requiring regular maintenance painting, e.g. public buildings, hotels, entertainment venues, etc.

Ideal for children's rooms, kindergartens, schools, hospitals, etc.

Technical data

Color:	white and 230 Blue Angel-certified colors through ISOMAT COLOR SYSTEM
Constituents:	water-based styrene-acrylate dispersion including silicate systems, titanium dioxide, calcium carbonate, silicates, water, additives
Volume solids:	38 ± 2 %

Dry film thickness: (EN 1062-1)	44 ± 3 µm (spreading rate 7.80 m ² /l)
Wet film thickness: (EN ISO 2808)	128 ± 8 µm (spreading rate 7.80 m ² /l)
Viscosity: (ASTM D-562)	125 ± 5 KU
Density: (EN ISO 2811- 1)	1.44 ± 0.02 kg/l
pH: (EN ISO 4316)	11.25 ± 0.25 at +23°C
Adhesion: (EN ISO 1542)	≥ 0.90 N/mm ²
Drying time: (EN ISO 9117)	30-60' (touch dry)
Recoat time: (EN ISO 9117)	3-5 h
Vapor permeability: (EN ISO 7783-2: V ₁ High, S _d < 0.14)	S _d = 0.02 ± 0.01 m

Capillary water absorption: w = 1.9 ± 0.2 kg/m²h^{0.5} (EN ISO 1062-3: W₁ High, 0.50 < w)

Measurements acc. to EN 13300

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

Whiteness: ≥ 88% (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 plenty of water and soap immediately after use.

Directions for use

1. Substrate preparation

The substrate should be dry and free from 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.



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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 stabilizing loose or crumbly substrates. 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 ZERO PAINT are applied with a roller, brush or airless gun. The second coat is applied once the first one has completely dried.

Coverage

ISOMAT ZERO PAINT covers approx. 8 m²/l per coat, when applied to properly prepared surfaces.

Packaging

ISOMAT ZERO PAINT is supplied in 3 l and 10 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.

Remarks

- Keep out of the reach of children.
- Ensure good ventilation during application and drying.
- If the product will be applied by spraying, use an A2/P2 combination filter and protective goggles for the spray mist.
- Wear protective goggles if there is a risk of spraying.
- Do not eat, drink or smoke when handling the wall paint.
- In case of contact with skin or eyes, rinse immediately with plenty of water.
- Do not allow to enter drains, water bodies, ground or soil.
- Only pass on empty containers for recycling. Dried product residues can be disposed of as household waste.
- Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- GISCODE: BSW10
- For further information, please contact us at +302310576000.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum VOC content limit value for the product subcategory a, type WB, is 30 g/l for the ready-to-use product.

The ready-to-use product ISOMAT ZERO PAINT contains max. 0.7 g/l VOC.

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