

Technical Datasheet

ISOMAT ZERO PAINT

Preservative-free, matt paint for interior use

Description

ISOMAT ZERO PAINT is a matt emulsion paint for interiors, free from preservatives and plasticizers, thus preventing allergic reactions in presensitized people. Certified with the Blue Angel label, as it meets the criteria set by the Environmental Label Jury. Suitable for surfaces requiring frequent painting, such as in 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. Offers a beautiful matt finish. Almost odorless.

Fields of application

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

Technical data

Color:	white
Constituent:	water-based styrene-acrylate dispersion, titanium dioxide, calcium carbonate, silicates, water, additives
Dry film thickness: (EN 1062-1)	44 µm (Spreading rate 7.80 m ² /l)
Wet film thickness: (EN ISO 2808)	128 µm (Spreading rate 7.80 m ² /l)
Viscosity: (ASTM D-562)	124 KU
Density: (EN ISO 2811- 1)	1.44 kg/l
pH: (EN ISO 4316)	11 at +23°C
Adhesion: (EN ISO 1542)	≥ 0.90 N/mm ²

Drying time: 30-60' (touch dry)
(EN ISO 9117)

Recoat time: 3-5 h
(EN ISO 9117)

Vapor permeability: S_d = 0.02 m
(EN ISO 7783- 2: V₁ High, S_d < 0.14)

Capillary water absorption: w = 1.93 Kg/m²h^{0.5}
(EN ISO 1062- 3: W₁, High, 0.50 < W Kg/m²h^{0.5})

Measurements acc. EN 13300

Gloss level: 4.4. Dead-matt
(EN ISO 2813: <5, angle of incidence 85°)

Opacity: CLASS 1 ≥ 99.5%
(EN ISO 6504- 3) (Spreading rate ≥ 7.80 m²/l)

Whiteness: ≥ 88%
(EN ISO 6504- 3)

Wet Scrub Resistance: 9.7 µm
(EN ISO 11998: 5 µm < CLASS 2 < 20 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.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar.
- Plastered wall may be repaired with UNICRET and UNICRET-FAST premixed mortars.
- For puttying surfaces, STUCCOCRET spatula putty should be used.

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.

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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 8 m²/l, when applied to properly prepared surfaces.
(EN ISO 6504- 1)

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.

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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