

ISOMAT COLOR ECONOMY

Water-based emulsion paint for interior use

Description

Water-based emulsion paint for interior use. It is characterized by great workability and surface coverage.

Fields of application

ISOMAT COLOR ECONOMY is recommended for use on new surfaces or surfaces already coated with a water-based emulsion paint, where washing and soiling resistance are not required, such as in ceilings, storage rooms, staircases etc.

Technical data

Colors: white and 1330 selected colors (ISOMAT COLOR SYSTEM)

Type: water-based emulsion paint

Flash point: 99 °C

Volume solids: 40.2 %

Viscosity (Poise): 27.5 P
(EN ISO 2884- 2)

Density: 1.69 gr/ml
(EN ISO 2811- 1)

pH: 9,0
(EN ISO 4316)

Dry film thickness: 33,5µm per layer (wet film: 83,3µm)
(EN ISO 2808)

Capillary water absorption: 0.68 kg/m²·h^{0.5}
(EN ISO 1062- 3: W₁ high, 0.50 < W₁ kg/m²h^{0.5})

Water vapor permeability: S_d =0,025 m
(EN ISO 7783:2011 V₁ high, 0.14< S_d < 1,4 m).

Temperature resistance: -10°C -80°C

Minimum application temperature: 5°C

Drying time (23 °C): 1 h (touch dry)
(EN ISO 9117)

Recoating (23 °C): 3-4 h
(EN ISO 9117)

Measurements acc. EN 13300
Opacity: min 95.7 %

Whiteness: min 75.2 %

Gloss level: 2.7 Matt
(EN ISO 2813: < 10 at 85°)

Wet Scrub Resistance: CLASS E (87 µm)
(EN ISO 11998: >70 µm at 40 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.
- 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 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 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, lightly stir the content and apply in two layers either as it is or thinned by 10-20% with clean water. The second coat is applied thinned by 10-15% with clean water, after the first coat has completely dried. Temperature during application and drying of the color should be between +10°C and +35°C.

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Coverage

ISOMAT COLOR ECONOMY covers 12 m²/l, on previously properly prepared surfaces.

Remarks

Airless spray application guide

Thinner: Water (max 15% by volume)
Nozzle tip: 0,013"- 0,015" (0.33mm - 0.38 mm)
Pressure at nozzle: 2000 PSI (14 MPa)

The tests were held out with Wagner airless spraying machine. (230 V)

Packaging

ISOMAT COLOR ECONOMY is supplied in 3 l, 9 l and 15 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 sun exposure and frost.

Volatile Organic Compounds (VOCs)

According to the 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 COLOR ECONOMY contains a maximum of 5 g/l VOC.

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