

ISOMAT PREMIUM ACRYL

Premium acrylic paint for exterior use

Description

ISOMAT PREMIUM ACRYL is a premium matt acrylic paint for exterior use. Features high water-repellency, excellent surface coverage and opacity, as well as outstanding durability against harsh weather conditions and aging. Provides excellent workability and flow while having quick-drying time. Being vapor-permeable, it allows high building breathability. Offers strong adhesion to any kind of new or old substrate. Offers a beautiful matt finish.

Fields of application

ISOMAT PREMIUM ACRYL is used for outdoor applications, on new or old surfaces, on all common building materials, such as concrete, plaster, bricks, gypsum boards, asbestos cement, wood, etc.

Technical data

Colors:	white and thousands of colors (ISOMAT COLOR SYSTEM)
Type:	acrylic paint
Volume solids content:	44±2
Dry film thickness: (EN ISO 2808)	31±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)	1.47±0.03 kg/l
Adhesion: (EN ISO 4624)	≥ 2.5 N/mm ²
pH: (EN ISO 4316)	8-9.5 at +23°C
Drying time: (EN ISO 9117)	~ 1 h (touch dry)
Recoat time:	3-4 h

Vapor permeability: $S_d = 0.18 \pm 0.02$ m
(EN ISO 7783- 2: V_2 medium, $0.14 < S_d < 1.4$)

Capillary water absorption: 0.04 ± 0.02 kg/m²h^{0.5}
(EN ISO 1062- 3: W_3 low $w < 0.1$ kg/m²h^{0.5})

VOC content: 15.5 g/l

Measurements acc. EN 13300:

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

Opacity: ≥ 92%
(EN ISO 6504- 3)

Whiteness: ≥ 86%
(EN ISO 6504- 3)

Wet Scrub Resistance: CLASS I
(EN ISO 11998: < 5 µm at 200 wash cycles)

Cleaning of tools:

Remove as much paint as possible from the tools used, before cleaning. Clean tools thoroughly with water and detergent, 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 are filled with ISOMASTIC-A acrylic sealant.
- Any imperfections in concrete should be patched with DUROCRET polymer-modified mortar, while imperfections in exposed concrete should be treated with PLANFIX or PLANFIX-FINE polymer-modified putties.
- Plastered wall may be patched with UNICRET and UNICRET-FAST premixed mortars.

The substrate should be primed with the silicone acrylic, micronized, water-based primer PRIMER ACRYL, thinned up to 50% with clean water or with acrylic solvent primer PRIMER ACRYL-S, thinned up to 100% with SM-21 by ISOMAT or with WHITE SPIRIT. These primers are also ideal to use for stabilizing a loose or crumbly substrate.

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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 PREMIUM ACRYL are applied with a roller, brush or airless gun. The second coat is applied after the first one has completely dried. Temperature during application and drying of the paint should be between +10°C and +35°C.

Coverage

ISOMAT PREMIUM ACRYL covers 10-12 m²/l, when applied on previously prepared surfaces.

Packaging

ISOMAT PREMIUM ACRYL is supplied in 0.75 l, 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 sun exposure 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 c, type WB is 40 g/l (2010) for the ready-to-use product.

The ready-to-use product ISOMAT PREMIUM ACRYL contains a maximum of 18 g/l VOC.



ISOMAT S.A.

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DoP No.: ISOMAT PREMIUM ACRYL / 1440-01

EN 1504-2

Surface protection products

Coating

Permeability to CO₂: Sd > 50m

Water vapor permeability: Class I (permeable)

Capillary absorption: w < 0.1 kg/m²·h^{0.5}

Adhesion: ≥ 1.0 N/mm²

Dangerous substances comply with 5.3

Reaction to Fire: Class F

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BUILDING CHEMICALS AND MORTARS

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