

ISOMAT PREMIUM ACRYL

Premium matt 100% acrylic paint for exterior use

Description

ISOMAT PREMIUM ACRYL is a premium matt 100% acrylic paint for exterior use. Features high water-repellency, excellent opacity and surface coverage, as well as outstanding resistance to 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 type of new or old substrate. Delivers a flawless matt finish.

The white is certified as cool paint.

Certified according to EN 1504-2 and classified as a coating for surface protection of concrete. CE marked. Certificate No.: 2032-CPR-10.11.

Fields of application

ISOMAT PREMIUM ACRYL is used for exterior use on all common building materials, including concrete, render, bricks, gypsum boards, asbestos cement, wood, etc.

Technical data

Colors:	white and thousands of colors through ISOMAT COLOR SYSTEM
Type:	100% acrylic paint
Volume solids:	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: ~ 1 h (touch dry)
(EN ISO 9117)

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: $w = 0.04 \pm 0.02$ kg/m²h^{0.5}
(EN ISO 1062- 3: W_3 low $w < 0.1$ kg/m²h^{0.5})

VOC content: 15.5 g/l

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

Whiteness: ≥ 86%
(EN ISO 6504- 3)

Cleaning of tools:

Remove as much paint as possible from application tools 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 or ISOMAT ACRYL-STUCCO acrylic filler.
- Any imperfections in concrete should be patched with DUOCRET polymer-modified mortar, while imperfections in exposed concrete should be treated with PLANFIX or PLANFIX-FINE polymer-modified fillers.
- Plastered wall may be repaired 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 the acrylic solvent-based 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 stabilization of loose or crumbly substrates.

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In case you are going to paint with dark colors (Base TR), it is recommended to apply a coat of ISOMAT PREMIUM ACRYL tinted in a light shade of the same color tone on a base with higher opacity (e.g. Base P).

2. Application

Before use, ISOMAT PREMIUM ACRYL should be thoroughly stirred and applied as is or thinned by 5-10% with 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 approx. 12 m²/l per coat, 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 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 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 40 g/l VOC.



2032

ISOMAT S.A.

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2032-CPR-10.11

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

ISOMAT S.A.

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