

# 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 <sup>2</sup>
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: (EN ISO 7783- 2: V <sub>2</sub> medium, 0.14 < S <sub>d</sub> < 1.4)	S <sub>d</sub> = 0.18 ± 0.02 m
Capillary water absorption: (EN ISO 1062- 3: W <sub>3</sub> low w < 0.1 kg/m <sup>2</sup> h <sup>0.5</sup> )	0.04 ± 0.02 kg/m <sup>2</sup> h <sup>0.5</sup>
VOC content:	15.5 g/l
Gloss level: (EN ISO 2813)	< 10 at 85°
Opacity: (EN ISO 6504- 3)	≥ 92%
Whiteness: (EN ISO 6504- 3)	≥ 86%

### 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.
- 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.

# ISOMAT PREMIUM ACRYL

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 m<sup>2</sup>/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.

17<sup>th</sup> km Thessaloniki – Ag. Athanasios  
P.O. BOX 1043, 570 03 Ag Athanasios, Greece

18

#### 2032-CPR-10.11

DoP No.: ISOMAT PREMIUM ACRYL / 1440-01

#### EN 1504-2

Surface protection products

Coating

Permeability to CO<sub>2</sub>: Sd > 50m

Water vapor permeability: Class I (permeable)

Capillary absorption:  $w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$

Adhesion:  $\geq 1.0 \text{ N/mm}^2$

Dangerous substances comply with 5.3

Reaction to Fire: Class F

#### ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

#### MAIN OFFICES - FACTORY:

17th km Thessaloniki - Ag. Athanasios Road,  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,  
Tel.: +30 2310 576 000, Fax: +30 2310 576 029

[www.isomat.eu](http://www.isomat.eu) e-mail: [support@isomat.eu](mailto:support@isomat.eu)