

## Technical Datasheet

**ISOMAT-ACRYL****High-quality, acrylic paint for exterior use****Description**

High-quality, acrylic paint for exterior use. ISOMAT-ACRYL is characterized by high water-repellency, excellent surface coverage and durability in harsh weather conditions and aging. It provides strong adhesion to any kind of old or new substrate like plaster, concrete, wood etc. It is easy to work with and dries quickly. It is certified as a cool paint. It provides an excellent matt finish.

**Fields of application**

ISOMAT-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 1950 selected colors (ISOMAT COLOR SYSTEM)

Gloss level (EN 13300): Matt  
(EN ISO 2813: 6 at 60°)

Viscosity (Poise): 16  
(EN ISO 2884- 2)

Density: 1.47 kg/l  
(EN ISO 2811- 1)

pH: 8.5 at +23°C  
(EN ISO 4316)

Opacity (EN 13300): min 98.4 %  
(10, 5 m<sup>2</sup>/l coverage)  
(EN ISO 6504- 3)

Whiteness: min 91.1 %  
(EN ISO 6504- 3)

Adhesion: 2.09 N/mm<sup>2</sup>  
(EN ISO 4624)

Wet Scrub Resistance (EN 13300): CLASS I  
(EN ISO 11998: < 5 µm at 200 wash cycles)

Dry film thickness: 43.0 µm (10, 5 m<sup>2</sup>/l coverage)  
(wet film thickness 95.2 µm)  
(EN ISO 2808)

Drying time: 1 h (to the touch)  
(EN ISO 9117)

Recoating in: 4 h

Vapor permeability: S<sub>d</sub> = 0.247 m  
(EN ISO 7783- 2: V<sub>2</sub> medium, 0.14<S<sub>d</sub>< 1.4)

CO<sub>2</sub> permeability: S<sub>d</sub> = 195 m  
(EN 1062-6  
requirement: S<sub>d</sub>>50m)

Capillary water  
absorption: 0.06 kg/m<sup>2</sup>h<sup>0.5</sup>  
(EN ISO 1062- 3: W<sub>3</sub> low w < 0.1 kg/m<sup>2</sup>h<sup>0.5</sup>)

Solar reflectance (SR): 88%  
(ASTM E903-96)

Infrared Emittance coef (IR): 0.86  
(ASTM E 408-71)

Cleaning of tools:  
Remove as much paint as possible from the used tools, before cleaning. Clean the 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.

# ISOMAT-ACRYL

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-18 by ISOMAT or with WHITE SPIRIT. These primers are also ideal to use for stabilizing a loose or crumbly substrate.

## 2. Application

Before use, lightly stir the content and apply it as it is or thinned with 5-10% clean water. Two coats of ISOMAT-ACRYL are applied with a roller, brush or airless gun. The second coat is applied, after the first coat has completely dried. Temperature during application and drying of the paint should be between +10°C and +35°C.

### Coverage

ISOMAT-ACRYL covers 10- 12 m<sup>2</sup>/l, when applied on previously prepared surfaces.

### Packaging

ISOMAT-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 the 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-ACRYL contains a maximum of 18 g/l VOC.



2032

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15

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DoP No.: ISOMAT ACRYL / 1422-03

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

Artificial weathering: Passes

Dangerous substances comply with 5.3

Reaction to Fire: F

### ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product.

