

Technical Datasheet

ISOMAT PROFESSIONAL ACRYL

Acrylic paint for exterior use, ideal for professionals

Description

ISOMAT PROFESSIONAL ACRYL is a matt acrylic paint for exterior use, ideal for professionals. Suitable for new or old surfaces requiring frequent repainting, such as in public buildings, hotels, hospitals, schools, etc., as well as surfaces stained with graffiti. Features high opacity and surface coverage while offering great workability and flow. Has high resistance to weather conditions and aging, as well as quick-drying and recoat times. Offers a beautiful 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 PROFESSIONAL ACRYL is used for indoor or outdoor applications, on new or old surfaces, on substrates such as concrete, plaster, bricks, gypsum boards, asbestos cement, wood, on surfaces puttied with acrylic or cementitious putties, etc.

Technical data

Colors:	white and thousands of colors (ISOMAT COLOR SYSTEM)
Type:	acrylic paint
Volume solids:	40 ± 2%
Dry film thickness: (EN ISO 2808)	30 ± 2 µm
Wet film thickness: (EN ISO 2808):	68 ± 5 µm
Viscosity: (EN ISO 2884- 2)	115 ± 5 KU
Density (WHITE): (EN ISO 2811- 1)	1.44 ± 0.03 kg/l
pH: (EN ISO 4316)	8-9.5
Adhesion: (EN ISO 4624)	≥ 2.25 N/mm ²

Vapor permeability: Sd = 0.06 ± 0.02 m
(EN ISO 7783- 2: V₁ high, < 0.14)

Capillary water absorption: w = 0,07 ± 0,02 kg/m².h^{0,5}
(EN ISO 1062- 3: W₃ low, w< 0.10 kg/m².h^{0,5})

Drying time:
(EN ISO 9117) ~ 1 h (touch dry)

Recoat time:
(EN ISO 9117) 3-4 h

VOC content: 15.8 g/l

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

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 or ISOMAT ACRYL-STUCCO acrylic filler.
- 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 fillers.
- 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 PRIMER ACRYL-S acrylic, solvent-based primer, 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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2. Application

Before use, ISOMAT PROFESSIONAL ACRYL should be thoroughly stirred and applied as is or thinned 5-10% with clean water. Two coats of ISOMAT PROFESSIONAL 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 PROFESSIONAL ACRYL covers approx. 12 m²/l per coat, when applied on previously prepared surfaces.

Packaging

ISOMAT PROFESSIONAL ACRYL is supplied in 0.75 l, 3 l and 9 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 PROFESSIONAL ACRYL contains a maximum of 40 g/l VOC.



2032

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DoP No.: ISOMAT PROFESSIONAL ACRYL

/ 1427-03

EN 1504-2

Surface protection products

Coating

Permeability to CO₂: 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

ISOMAT S.A.

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