

Technical Datasheet

ISOLAC ALL-PRIMER

Acrylic water-based primer for difficult surfaces

Description

ISOLAC ALL-PRIMER is a next-generation, white, acrylic water-based primer formulated to provide ultimate adhesion for subsequent coats of paint over interior or exterior glossy, non-absorbent surfaces where common primers would fail. It can be overcoated with emulsion or acrylic paints, the ISOLAC-AQUA ECO water-based enamels, or the solvent-based enamels from the ISOLAC range. It provides easy, low-odor application while delivering uniform hiding power, effectively blocking old stains.

Fields of application

ISOLAC ALL-PRIMER is suitable for interior and exterior use on non-absorbent surfaces, including aluminum, galvanized metal, stainless steel, copper, glass, uPVC, polyester, tiles, fiberglass, and surfaces previously painted with enamels. It can also be applied to absorbent surfaces such as wood, marine plywood, chipboard, and MDF.

Technical data

Color:	white
Type:	acrylic primer
Volume solids:	44 ± 2%
Density: (EN ISO 2811-1)	1.38 ± 0.02 kg/l
Viscosity (mPa.s): (EN ISO 2811-1)	110 ± 10 KU
Adhesion strength:	≥ 2.0 N/mm ²
Drying time: (EN ISO 9117)	30-60 min (touch dry)

Cleaning of tools:

Remove as much paint as possible from application tools before cleaning. Clean tools immediately after use with water and/or detergent.

Directions for use

1. Substrate preparation

The metal surface should be dry and free of rust, grease, loose particles, dust, etc., while any imperfections should be rubbed with sandpaper.

2. Application

ISOLAC ALL-PRIMER is applied in one or two coats, thinned 5-10% with clean water for application by brush or roller, or 10-15% for airless spray application.

In the event a second coat is required, it is applied 6 h after the first one, providing it has dried completely.

Once the primed surface is completely dry, it should be smoothed down with sandpaper and then thoroughly cleaned from dust.

Temperature during application and drying of the primer should range between +10°C and +35°C.

The surface can be painted with emulsion and acrylic paints or the ISOLAC-AQUA ECO water-based enamels after 24 hours or with a solvent-based enamel from the ISOLAC range after 48 hours. These times vary depending on the weather conditions (temperature and humidity).

Coverage

ISOLAC ALL-PRIMER covers approx. 12 m²/l per coat, depending on surface absorbency and thinning percentage.

Packaging

ISOLAC ALL-PRIMER is available in 0.75 l and 2.5 l containers.

Shelf life – Storage

24 months from production date if stored in its original, unopened packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

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Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory g, type WB, is 30 g/l (2010) for the ready-to-use product.

The ready-to-use product ISOLAC ALL-PRIMER contains a maximum of 15 g/l VOC.

ISOMAT S.A.
BUILDING CHEMICALS, MORTARS & PAINTS
HEADQUARTERS – THESSALONIKI, GREECE
17th km Thessaloniki – Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece
T +30 2310 576000
www.isomat.eu e-mail: support@isomat.eu