

ISOMAT BETOCOLOR-S

Acrylic solvent-based paint for exterior use

Description

ISOMAT BETOCOLOR-S is an acrylic, solvent-based paint, characterized by high resistance to weather conditions, air pollution, and aging. It shows strong adhesion especially to concrete, cement mortar, concrete floors, etc. It has good workability, dries quickly and has great coverage. It allows building breathability and prevents concrete carbonation. It delivers a flawless matt finish.

Fields of application

ISOMAT BETOCOLOR-S is used for outdoor applications, on new or old surfaces, on all common building materials such as concrete, plaster, bricks, asbestos cement, gypsum boards, wood, etc. Its use on bituminous materials should be avoided.

Technical data

Colors:	white and grey
Volume solids:	56 ± 3 %
Viscosity (mPa.s): (EN ISO 2884-2)	19,000
Density: (EN ISO 2811-1)	1.53 kg/l
pH: (EN ISO 4316)	8.3 at +23°C
Bond strength: (EN ISO 4624)	4.5 N/mm ²
Gloss level: (EN ISO 2813: <10, at 85°)	8, Matt
Dry film thickness: (wet film thickness 83.3 µm) (EN ISO 2808)	69.4 µm
Drying time: (EN ISO 9117)	2 h (touch dry)
Recoat time:	8 h
Vapor permeability: (EN ISO 7783-2: $V_{2 \text{ medium}}, 0.14 < S_d < 1.4$)	$S_d = 1.31 \text{ m}$
Capillary water absorption: (EN ISO 1062-3: $W_3 \text{ low}, w < 0.10 \text{ kg/m}^2\text{h}^{0.5}$)	$w = 0.01 \text{ kg/m}^2\text{h}^{0.5}$

Cleaning of tools:

Remove as much paint as possible from application tools before cleaning. Tools are cleaned with SM-25 solvent 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 may be filled with ISOMASTIC-A acrylic sealant or ISOMAT ACRYL-STUCCO acrylic filler.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar, while imperfections in the exposed concrete should be repaired with PLANFIX or PLANFIX-FINE.
- Plastered wall may be repaired with UNICRET and UNICRET-FAST premixed mortars.

The surface should be primed with the acrylic, solvent-based primer PRIMER ACRYL-S, thinned up to 100% with SM-21 or WHITE SPIRIT. This primer is also recommended for stabilization of loose or crumbly substrates.

2. Application

Before use, stir the content lightly and apply thinned up to 10% with SM-22 in two coats. ISOMAT BETOCOLOR-S is applied with a roller, brush, or airless gun. The second coat is applied once the first one has completely dried. The temperature during application and drying of the paint should be between +5°C and +35°C.

Coverage

ISOMAT BETOCOLOR-S covers approx. 12 m²/l per coat, on properly prepared surfaces.

Packaging

0.75 l, 3 l and 10 l containers.

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Shelf life – Storage

24 months from production date if stored in original, unopened packaging at temperatures between +5°C and +40°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 SB, is 430 g/l (2010) for the ready-to-use product.

The ready-to-use product ISOMAT BETOCOLOR-S contains a maximum of 407 g/l VOC.

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