

# ISOMAT BETOCOLOR-S

## Solvent-based acrylic 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 surfaces, such as 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 creates a flawless matt finish.

### Fields of application

ISOMAT BETOCOLOR-S is used for outdoor applications, on new or old surfaces, on all ordinary 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
Gloss level (EN 13300): (EN ISO 2813: 8 at 60°)	Matt
Viscosity (mpa.s): (EN ISO 2884-2)	19,000
Density: (EN ISO 2811-1)	1.53 kg/l
Opacity (EN 13300): (EN ISO 6504-3)	98.8%
Bond strength: (EN ISO 4624)	4.5 N/mm <sup>2</sup>
Wet Scrub Resistance (EN 13300): (EN ISO 11998: < 5 µm at 200 wash cycles)	CLASS I

Dry film thickness: 69.4 µm (wet film thickness 83.3 µm)  
(EN ISO 2808)

Drying time: 2 h (touch dry)  
(EN ISO 9117)

Recoat time: 8 h

Vapor permeability:  $S_d = 1.31 \text{ m}$   
(EN ISO 7783-2:  $V_{2 \text{ medium}}, 0.14 < S_d < 1.4$ )

Capillary water absorption:  $w = 0.01 \text{ kg/m}^2\text{h}^{0.5}$   
(EN ISO 1062-3: W3 low,  $w < 0.10 \text{ kg/m}^2\text{h}^{0.5}$ )

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 may be filled with ISOMASTIC-A acrylic sealant.
- Concrete imperfections should be repaired with DUOCRET polymer-modified mortar, while imperfections in the exposed concrete should be fixed 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-18 by ISOMAT or WHITE SPIRIT. This primer is also recommended for stabilizing crumbly substrates.

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## 2. Application

Before use, stir the content lightly and apply thinned up to 10% with SM-16 in two coats. ISOMAT BETOCOLOR-S is applied with a roller, brush or airless gun. The second coat is applied once the first coat has completely dried. The temperature during application and drying of the color should be between +5°C and +35°C.

### Coverage

ISOMAT BETOCOLOR-S covers 12 m<sup>2</sup>/l, on previously prepared surfaces. (EN 6504-1)

### Packaging

ISOMAT BETOCOLOR-S 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 +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.

#### 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.

