

# ISOMAT COLOR

## Acrylic emulsion paint for general use

### Description

Acrylic emulsion paint for general use in interior areas. ISOMAT COLOR is recommended for use in areas, where frequent painting is required, such as in public buildings, hotels, hospitals, schools, entertainment venues etc. It is characterized by great workability and surface coverage. It dries and can be recoated rapidly.

### Fields of application

ISOMAT COLOR is used for indoor applications, on new or old surfaces, on ordinary building materials such as concrete, plaster, gypsum boards, etc.

### Technical data

Colors: white and 1326 selected (ISOMAT COLOR SYSTEM)

Type: 100% acrylic emulsion paint

Flash point: >98 °C

Volume solids content: 38,5%

Dry film thickness: 38,5 µm (Wet film: 100 µm) (EN ISO 2808)

Viscosity (Poise): 17 (EN ISO 2884- 2)

Density: 1.60 kg/l (EN ISO 2811- 1)

Bond strength: 1.10 N/mm<sup>2</sup> (EN ISO 4624)

pH: 8,5 at +23oC (EN ISO 4316)

Lead free: Complies with ASTM D333/64

Flexibility: Elongation at break point 12 % (ASTM D412).

Fineness of grid: 10 µm (ASTM D 1210).

Vapor permeability: Sd= 0,06 m (EN ISO 7783- 2: V1 high Sd < 0,14)

Capillary water absorption: w= 0,60 Kg/m<sup>2</sup>h<sup>0,5</sup> (EN ISO 1062- 3: W1 high 0,50<w)

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

Recoating in: 3-4 h (EN ISO 9117)

### Measurements acc EN13300

Wet Scrub Resistance: CLASS 3 (EN ISO 11998: < 70µm at 200 wash cycles, ).  
Dry film thickness: 38,5 µm (Wet film: 100 µm) (EN ISO 2808)

Gloss level: Dead Matt (EN ISO 2813: < 5 at 85°C)

Hiding Power (Opacity): min 96,4% (EN ISO 6504- 3)

Whiteness: min 90% (EN ISO 6504- 3)

Voc= 23,7 g/l Complies to the Directive 2004/42/CE (Annex II, table A), VOC content for the product subcategory a, type WB

Cleaning of tools:  
Tools should be cleaned with water, 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 DUROCRET polymer-modified mortar.

Plastered wall may be repaired with UNICRET and UNICRET-FAST premixed mortars.

For puttying surfaces, STUCCOCRET spatula putty should be used.

The surface should be primed with the acrylic, micronized, water-based primer PRIMER CLASSIC, thinned up to 50% with clean water or with the acrylic, water based primer PRIMER PROFESSIONAL, thinned up to 10% with clean

# ISOMAT COLOR

water. These primers are also ideal to use for stabilizing a loose or crumbly substrate.

Priming is not necessary on already painted surfaces, as long as the old paint is sound.

## 2. Application

Before using, stir the content lightly and apply as it is or thinned 5-10% with clean water. ISOMAT COLOR is applied in two coats with a roller, brush or airless gun. The second coat is applied once the first coat has completely dried.

### Coverage

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

### Packaging

ISOMAT COLOR is supplied in containers of 3 l and 9 l.

### Shelf-life - Storage

24 months from production date, if stored in original, unopened packaging, at temperatures between +5oC and +35oC. 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 a, type WB is 30 g/l (2010) for the ready-to-use product.

The ready-to-use product ISOMAT COLOR contains a maximum of 30 g/l VOC.

**ISOMAT S.A.**  
BUILDING CHEMICALS AND MORTARS  
**MAIN OFFICES - FACTORY:**  
17th km Thessaloniki - Ag. Athanasios Road,  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,  
Tel.: +30 2310 576 000, Fax: +30 2310 722 475  
[www.isomat.eu](http://www.isomat.eu) e-mail: [info@isomat.eu](mailto:info@isomat.eu)