

Technical Datasheet

ISOLAC DUCO

Extra tough enamel paint for metal surfaces

Description

Premium quality enamel paint for use on new or old surfaces, on ordinary building materials such as concrete, plaster, gypsum boards, puttied surfaces, metal surfaces etc.

It is suitable for both indoor and outdoor use. ISOLAC DUCO provides high hardness, and coverage. It shows excellent resistance to weather and aging. It dries fast and offers a highly wear-resistant surface.

Fields of application

ISOLAC DUCO is used for indoor or outdoor applications, on new or old metal surfaces, puttied surfaces, concrete etc.

Technical data

Colors: white, black and colors from ISOMAT COLOR SYSTEM and RAL (0.75 l & 2.5 l packages)

Type: alkyd-based enamel paint

Density: 0.96-1.24 kg/l
(EN ISO 2811-11) (Depending on the color)

Viscosity (23° C): 1100 mPa.s
(EN ISO 2884- 2)

Adhesion: 2.5 N/mm²
(EN ISO 4624)

Dry film Thickness: 37,2 µm (WET: 71,4 µm)
(EN ISO 2808).

Volume solids content: 52,1%

Water vapor permeability: $S_{d,e}=10,50m$
(EN ISO 7783- 2: V_3 Low, $S_d \geq 1,4 m$)

Capillary water absorption: $w= 0,01 Kg/m^2 h^{0,5}$
(EN ISO 1062- 3: W_3 Low, $w \leq 0,1$)

Drying time: 6 h (to the touch)
(EN ISO 9117)

Lead free: Complies with ASTM D333/64

Flexibility: Elongation at break point 27 %
(ASTM D412).

Recoating in: 24 h
(EN ISO 9117)

Fineness of grid: 10 µm
(ASTM D1210).

Measurements acc EN 13300

Wet Scrub Resistance: CLASS 1
(EN ISO 11998: 0,8 < 5µm at 200 wash cycles)

Hiding power (Opacity): min 98,5 %
(EN ISO 6504- 3)

Whiteness: min 82 %
(EN ISO 6504- 3)

Voc= 449 g/l Complies to the Directive 2004/42/CE (Annex II, table A), VOC content for the product subcategory i, type SB

Cleaning of tools:

Remove as much paint as possible from the used tools before cleaning. Clean the tools thoroughly with SM-16 or SM-18, immediately after use.

Directions for use

1. Substrate preparation

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

Metal substrates should be primed with ISOLAC RUST PRIMER.

All other substrates (e.g. puttied surfaces) should be primed with ISOLAC AQUA PRIMER or with ISOLAC DUCO thinned up to 10% with SM-18 (for use as a primer).

ISOLAC DUCO is applied 24 hours after priming, so that the application surface is completely dry.

2. Application

Before using ISOLAC DUCO, slightly stir its content and apply it in two layers thinned up to 5%

ISOLAC DUCO

with SM-18 for application by brush or roller and 10-20% with SM-16 for airless spray application. The second coat is applied after the first coat has completely dried, approximately after 24 hours. Temperature during application and drying of the paint should be between +10°C and +35°C.

Coverage

ISOLAC DUCO covers up to 14 m²/l per coat, on previously prepared surfaces.
(EN ISO 6504-1)

Packaging

ISOLAC DUCO is available in 0.75 l and 2.5 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 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 i, type SB is 500 g/l (2010) for the ready-to-use product. The ready-to-use product ISOLAC DUCO contains a maximum of 449 g/l VOC.

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

Thessaloniki: 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

Athens: 57th km Athens-Lamia N.R., 32011 Inofita, Greece
Tel.: +30 22620 56406 Fax: +30 22620 31644

www.isomat.eu e-mail: info@isomat.eu

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.

