

ISOLAC DUCO SATIN

Satin, hard-wearing enamel paint for metal surfaces

Description

Premium quality enamel paint for metal surfaces. Suitable for both indoor and outdoor use. ISOLAC DUCO SATIN is characterized by high hardness and surface coverage while featuring excellent durability against weather conditions and aging. It dries fast to a satin, highly wear- and impact-resistant final surface.

Fields of application

ISOLAC DUCO SATIN is used for indoor or outdoor applications, on new or old metal surfaces, such as doors, railings, machinery and tools.

Technical data

Colors:	white, black and colors from ISOMAT COLOR SYSTEM and RAL color charts
Type:	alkyd-based enamel paint
Density:	0.96-1.24 kg/l (EN ISO 2811-11) (Depending on the color)
Classification by gloss (EN 13300):	Satin = 50 (EN ISO 2813: < 60, angle of incidence 60°)
Viscosity (23°C): (EN ISO 2884-2)	1,100 mPa·s
Opacity: (EN ISO 6504-3)	min 98.5%
Whiteness: (EN ISO 6504-3)	min 82%
Adhesion: (EN ISO 4624)	2.0 N/mm ²
Dry film thickness: (WFT: 71.4 µm) (EN ISO 2808)	38.2 µm

Water vapor permeability: $S_d=10.50$ m
(EN ISO 7783- 2: V_3 Low, $S_d \geq 1.4$ m)

Capillary water absorption: $w=0.01$ Kg/m²h^{0.5}
(EN ISO 1062-3: W_3 Low, $w \leq 0.1$)

Drying time: 6 h (touch dry)
(EN ISO 9117)

Recoat time: 24 h
(EN ISO 9117)

Cleaning of tools:
Remove as much paint as possible from the used tools before cleaning. Clean 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 dust, oil, grease, loose particles, etc., while any imperfections should be rubbed down with sandpaper. It should then be primed with ISOLAC RUST PRIMER.

2. Application

Before using ISOLAC DUCO SATIN, stir its content well and apply it in two layers, thinned up to 5% 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 SATIN covers up to 15 m²/l per coat, on previously prepared surfaces.
(EN ISO 6504-1)

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Packaging

ISOLAC DUCO SATIN 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 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 i, type SB is 500 g/l (2010) for the ready-to-use product. The ready-to-use product ISOLAC DUCO SATIN contains a maximum of 499 g/l VOC.



2032

ISOMAT S.A.

17th km Thessaloniki – Ag. Athanasios
P.O. BOX 1043, 570 03 Ag Athanasios, Greece

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DoP No.: ISOLAC DUCO / 1439-01

EN 1504-2

Surface protection products

Coating

Permeability to CO₂: Sd > 50m

Water vapor permeability: Class I (permeable)

Capillary absorption: w < 0.1 kg/m²·h^{0.5}

Adhesion: ≥ 0.8 N/mm²

Reaction to fire: Euroclass F

Dangerous substances comply with 5.3

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 data sheet 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 data sheet automatically cancels any previous one concerning the same product.

