

# ISOLAC-DUCO GLOSS

## Gloss, hard-wearing enamel paint for metal

### Description

ISOLAC-DUCO GLOSS is a premium enamel paint for use on new or old metal surfaces. It features high hardness and surface coverage while showing excellent durability against weather conditions and aging. It dries quickly to a gloss, highly wear- and impact-resistant final surface. Suitable for interior and exterior use.

### Fields of application

ISOLAC-DUCO GLOSS 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 20 standard colors. Tintable to a wide range of colors though ISOMAT COLOR SYSTEM
Type:	alkyd-based enamel paint
Volume solids:	45 ± 2%
Density (White): (EN ISO 2811-1)	1.20 ± 0.03 kg/l
Viscosity: Brookfield (23°C) (EN ISO 2884-2)	800-1,200 mPa·s
Adhesion: (EN ISO 4624)	≥ 2.5 N/mm <sup>2</sup>
Dry film thickness: (WFT: 100 µm) (EN ISO 2808)	45 ± 5 µm
Drying time: (EN ISO 9117)	50 min (touch dry), 6 h (through dry)
Recoat time: (EN ISO 9117)	24 h
Water vapor permeability: (EN ISO 7783-2: V <sub>3</sub> low, S <sub>d</sub> ≥ 1.4 m)	S <sub>d</sub> = 10.50 ± 0.50 m
Capillary water absorption: (EN ISO 1062-3: W <sub>3</sub> low, w ≤ 0.1 kg/m <sup>2</sup> h <sup>0.5</sup> )	w = 0.01 ± 0.005 kg/m <sup>2</sup> h <sup>0.5</sup>

Fineness of grind: ≤ 10 µm  
(ASTM D1210)

### Measurements acc. to EN 13300

Gloss level: > 84, Gloss  
(EN ISO 2813: ≥ 60 at 60°)

Opacity: ≥ 98%  
(2 coats of 100 µm wet)  
(EN ISO 6504-3)

Whiteness: ≥ 82%  
(EN ISO 6504-3)

Wet scrub resistance: CLASS 1  
(EN ISO 11998: 0.8 < 5 µm  
at 200 washing cycles )

### Cleaning of tools:

Remove as much paint as possible from application tools before cleaning. Clean tools thoroughly with SM-21 or SM-22 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 smoothed down with sandpaper. The surface is then primed with ISOLAC-RUST PRIMER.

For application to galvanized metal or aluminum, priming with EPOXYCOAT-AC is necessary to achieve maximum adhesion.

After 24 hours, provided the primer has completely dried, the first coat of ISOLAC-DUCO GLOSS can be applied.

#### 2. Application

Stir ISOLAC-DUCO GLOSS well before use. For brush or roller application, thin up to 5% with SM-21, and for airless spray application thin 10-20% with SM-22. Apply two coats allowing the first coat to dry completely before applying the second, after approximately 24 hours.

Temperature during application and drying of the paint should range between +10°C and +35°C.

# ISOLAC-DUCO GLOSS

## Coverage

ISOLAC-DUCO GLOSS covers approx. 15 m<sup>2</sup>/l per coat, on previously prepared surfaces.

## Packaging – Colors

ISOLAC-DUCO GLOSS is available in white, black and the following 20 standard colors together with corresponding codes and pack sizes (0.375 l, 0.75 l and 2.5 l):

Color	0.375 l	0.75 l	2.5 l
8 White	•	•	•
10 Black	•	•	•
12 Vanilla		•	
15 Sand Dunes		•	
18 Cappuccino		•	
20 Mocha		•	
21 Caramel		•	
25 Oak		•	
27 Walnut		•	
28 Chocolate	•	•	
33 Forest Green		•	
36 Cypress	•	•	
40 Blue Sky		•	
45 Mykonos Blue	•	•	
48 Ocean Blue	•	•	
52 Stone	•	•	
53 Fog		•	
55 Graphite	•	•	
61 Red Brown		•	
63 Fire Red	•	•	
72 Sunflower	•	•	
75 Bumble Bee		•	

## 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 GLOSS contains a maximum of 500 g/l VOC.



2032

### ISOMAT S.A.

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

18

2032-CPR-10.11

DoP No.: ISOLAC DUCO / 1439-01

### EN 1504-2

Surface protection products

Coating

Permeability to CO<sub>2</sub>: Sd > 50m

Water vapor permeability: Class I (permeable)

Capillary absorption:  $w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$

Adhesion:  $\geq 0.8 \text{ N/mm}^2$

Reaction to fire: Euroclass F

Dangerous substances comply with 5.3

### ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

#### MAIN OFFICES - FACTORY:

17<sup>th</sup> km Thessaloniki - Ag. Athanasios Road,  
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece,  
Tel.: +30 2310 576 000, Fax: +30 2310 576 029

[www.isomat.eu](http://www.isomat.eu) e-mail: [support@isomat.eu](mailto:support@isomat.eu)