

ISOLAC DUCO

Gloss, hard-wearing 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. Suitable for both indoor and outdoor use. ISOLAC DUCO is characterized by high hardness and surface coverage while featuring excellent durability against weather conditions and aging. It dries fast to a gloss, highly wear- and impact-resistant final 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 (0.375 l, 0.75 l & 2.5 l), 12 standard colors from ISOLAC DUCO color chart (0.375 l & 0.75 l) and selected colors from ISOMAT COLOR SYSTEM and RAL color charts (0.75 l & 2.5 l)
Type:	alkyd-based enamel paint
Density: (EN ISO 2811-11) (Depending on the color)	0.96-1.24 kg/l
Viscosity (23°C): (EN ISO 2884- 2)	1,100 mPa·s
Adhesion: (EN ISO 4624)	2.5 N/mm ²
Dry film thickness: (WET: 71.4 µm) (EN ISO 2808)	37.2 µm

Volume solids content:	52.1%
Water vapor permeability: (EN ISO 7783- 2: V ₃ Low, S _d ≥1.4 m)	S _d =10.50 m
Capillary water absorption: (EN ISO 1062-3: W ₃ Low, w ≤ 0.1)	w= 0.01 Kg/m ² h ^{0.5}
Drying time: (EN ISO 9117)	6 h (touch dry)
Lead-free:	Complies with ASTM D333/64

Flexibility: Elongation at break point: (ASTM D412).	27%
Recoat time: (EN ISO 9117)	24 h
Fineness of grid: (ASTM D1210).	10 µm

Measurements acc. EN 13300

Wet scrub resistance: CLASS 1 (EN ISO 11998: 0.8< 5µm at 200 washing cycles)	
Opacity: (EN ISO 6504-3)	min 98.5%
Whiteness: (EN ISO 6504-3)	min 82%
VOC=	449 g/l
Complies to 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 tools used before cleaning. Clean tools thoroughly with SM-16 or SM-18 immediately after use.

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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.

Metal surfaces 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, stir its content well and apply it in two layers thinned up to 5% with SM-18 for application with brush or roller and 10-20% with SM-16 for airless spray application. The second coat is applied after the first one 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 15 m²/l per coat, on previously prepared surfaces.
(EN ISO 6504-1)

Packaging

ISOLAC DUCO is available in 0.375, 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 contains a maximum of 449 g/l VOC.



2032

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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

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BUILDING CHEMICALS AND MORTARS

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