

# DUCO PLUS

## Product Information

DUCO PLUS is a premium quality enamel paint, created from special mixture of hard performance alkydic resins, intended to be used on new or old metallic surfaces. It features high durability and resistance in aging, exterior conditions and wear-scratch resistance, while possessing hardness and surface coverage. DUCO PLUS is characterised by ease of application and excellent workability, drying fast to a glossy final film with optimum adhesion. It is suitable for exterior use and very well-ventilated indoor areas.

## Product Properties

*Color:* White, Black, 10 standard shades and many other shades of TOXRO.MA COLOUR SYSTEM (0.75 lt, 2.5 lt)

*Density:* 1.20 ± 0.20 g/ml  
(EN ISO 2811-1)

*Viscosity:* 85 ± 10 KU  
(ASTM D 562)

*Vapor Permeability:* Sd=0.10±0.03 m  
(EN ISO 7783, Sd <0.14, high class I)

*Water Permeability:* w=0.03 ± 0.02 kg/m<sup>2</sup>h<sup>0.5</sup>  
(EN ISO 1504-2, w ≤ 0.10, Low, class III)

*Adhesion:* ≥2.7 MPa  
(EN 1542)

*Covering Power:* ≥ 98.5%  
(EN ISO 6504- 3) (Consumption ≥10 m<sup>2</sup>/lt)

*Whiteness:* ≥ 82  
(EN ISO 6504- 3)

*Time to touch:* 3 hours (23°C)

*Time to repaint:* 24 hours (23°C)

## Substrate's Preparation and Application

DUCO PLUS is applied on older or new ferrous metallic surfaces, doors, machinery and any kind of other surfaces like cemented plaster or cemented bords, outdoor or indoor but in well-ventilated areas.

Substrate to be painted should be clean and dry without dust loose particles, rust or oil and grease that could cause loose of adhesion. In the case of voids or cracks those should be filled properly with

appropriate materials like epoxy putties. Sanding with low granulate sandpaper should follow to smooth the epoxy prepared or imperfedted surface.

Then follows the application of ARMOR ANTI-RUST in dilution with WHITE SPIRIT for brush and roller and NITRO SOLVENT for airless spray. In industrial airless applications FAST ARMOUR ANTI-RUST is used with NITRO SOLVENT dilution.

In case of galvanized steel, copper, aluminum or very glossy metallic surfaces the use of epoxy rust primer is strongly suggested for optimum adhesion.

DUCO PLUS is applied with brush and roller after dilution with WHITE SPIRIT until 5%, or with airless spray dilution with NITRO SOLVENT until 10-20%. Slow agitation of mixture is necessary before application.

Product is applied in 2 layers with optimum result until consumption of 15 m<sup>2</sup>/lt per layer. Second layer follows after full drying of first and in 24 hours' time distance in normal conditions 10-35 °C and air humidity < 80%.

Brushes, rollers or airless systems could be used in application of product and should be cleaned thoroughly immediately after use with WHITE SPIRIT or NITRO SOLVENT.

## Packaging

DUCO PLUS is available in 0.75 lt, 2.5 lt containers.

## Product life time and storage

DUCO PLUS has a shelf-life time of 24 months in tight sealed containers and should be kept in storage between 5-35°C. Protect against direct sunlight and frost.

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## Volatile Organic Compounds

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the

product subcategory i, type SB is VOC<500 g/l (2010) for the ready-to-use product.

The ready-to-use product DUCO PLUS contains a maximum of VOC<500 g/l.

## TO XROMA

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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. |  
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