

# POLYURETHANE ENAMEL 844

Indoor - Outdoor. Satin

**TITAN**



Product Code: 844

## Description

Two-component polyurethane enamel with a formulation based on an acrylate and an aliphatic isocyanate. Excellent resistance to outdoor conditions, yellowing and gloss loss. Good adhesion on different non ferrous metals and on certain galvanised surfaces.

## Fields of Application

Steel structures, machines and industrial equipment. Excellent durability and appearance. It can also be directly applied on polyester reinforced with glass fibre.

## Technical Data

<b>Product Type</b>	Polyurethane
<b>Finish</b>	Satin
<b>Gloss (UNE EN ISO 2813)</b>	60°: 28 - 32 GU
<b>Colour (UNE EN ISO 11664-4)</b>	0597 Clear Base and 0599 White Base
<b>Density (UNE EN ISO 2811-1)</b>	0.96 - 1.00 Kg/l
<b>Coverage</b>	11 - 14 m <sup>2</sup> /l (30 - 35 μ)
<b>Drying at 23°C 60 % RH (UNE 48301)</b>	2 - 4 hours
<b>Recoat time at 23°C 60% RH (UNE 48283)</b>	Minimum 24 hours - Maximum 7 days
<b>Mixing Rate</b>	Base: 5 parts - Hardener: 1 part
<b>Pot Life at 23°C</b>	4 hours
<b>Methods of Application</b>	Brush, Roller, Air Spray-gun and Airless (The data quoted are only hints)
<b>Thinning</b>	Brush and Roller: 0 - 5%, Spray-gun: 10 - 15%, Airless: 0 - 5%
<b>Nozzle Diameter</b>	Spray-gun: 1.3 - 1.7 mm. , Airless: 0.011" - 0.015"
<b>Nozzle Pressure</b>	Spray-gun: 3 - 4 bar, Airless: 150 - 175 bar
<b>Thinner</b>	874 Thinner
<b>Equipment Cleaning</b>	874 Thinner
<b>Recommended Thickness (UNE EN ISO 2808)</b>	60 - 70 dry μ in two coats
<b>Application Temperature, RH&lt;80%</b>	+10°C - +30°C
<b>Maximal Volume Tinting Paste</b>	12.5%
<b>Flash Point (UNE EN ISO 3679)</b>	Base: 26.5 °C, Hardener: 30.5 °C
<b>Volume Solids (UNE EN ISO 3233-3)</b>	43 - 52 %

**Pack sizes**

4 l and 750 ml

Variations in temperature, humidity, thickness, tinting or surface type, etc. may lead to changes in drying, in coverage or in other properties.

## Directions for use

**GENERAL REMARKS:**

Carefully stir the product in the pack. The surfaces to be painted have to be clean, dry and sound, as well as free from dust, grease and oil.

**BARE SURFACES:**

**Steel, iron, wood, aluminium and non-ferrous light alloys:** Prime with 831 Epoxy Rust Preventive. In case of non ferrous metals, they can be also prepared with one coat of 871 Phosphatizing Wash Primer.

**Galvanised iron:** Degrease and directly apply one coat. Repaint according to instructions of the present technical sheet. Depending on the galvanised type, it will be necessary to open pores.

**Polyester:** Degrease with 874 Thinner, and directly apply one or two coats.

**MAINTENANCE OF PREVIOUSLY COATED SURFACES IN GOOD CONDITION:**

Remove grease, oils and dirt by freshwater jet. Let to dry and apply one or two coats of 844 Satin Polyurethane Enamel

**MAINTENANCE OF PREVIOUSLY COATED SURFACES IN POOR CONDITION:**

Remove old paint coats up to ST-3 grade of the ISO 8501-2 Standard. Patch the bare areas with 831 Rust Preventive Epoxy Primer up to the original thickness level. Apply two coats of 844 Satin Polyurethane Enamel.

In highly or extremely highly aggressive environments (C4 or C5 according to EN ISO 12944 ISO INE) an intermediate coat of 832 Epoxy Primer will be required, before finishing with 844 Satin Polyurethane Enamel.

## Precautions

Always read the pack label before use. For more information, please refer to the Safety Data Sheet.

Store in tightly closed containers protected from sources of heat and temperatures below 0°C. Shelf life: 36 months in original unopened packaging.

**Waste management:** Follow local legal regulations. Help to protect the environment, do not empty into drains, dispose of this material and its container at hazardous or special waste collection points. Calculate the amount of product you will need to avoid waste and extra costs. Collect the leftover material and keep it well stored for a new use.

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Any technical sheet is automatically cancelled by a subsequent sheet or five years after the issue date. We guarantee the quality of our products. However, we disclaim any liability in relation to factors other than the coating itself or in relation to an unsuitable use or application method. In case of doubt, please refer to our technical service before applying the products.



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