

# POLYURETHANE ENAMEL 843 SERVICOLOR BASE

Indoor - Outdoor. Gloss. Clear



Product Code: 843 0597

## Description

Base to be tinted with the TITAN Servicolor System. Two-pack polyurethane based on an acrylate and an aliphatic isocyanate. Excellent resistance to weathering, and good resistance to yellowing and gloss. 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>	Aliphatic polyurethane
<b>Finish</b>	Gloss
<b>Colour (UNE EN ISO 11664-4)</b>	Industry Servicolor System
<b>Density (UNE EN ISO 2811-1)</b>	0.95 - 0.98 Kg/l
<b>Coverage (UNE 48282)</b>	11 - 14 m <sup>2</sup> /l (30 - 35 μ)
<b>Drying at 23°C 60 % RH (UNE 48301)</b>	3 - 4 hours
<b>Recoat time at 23°C 60% RH (UNE 48283)</b>	Minimum 24 h - Maximum 7 days
<b>Mixing Rate</b>	Base: 4 parts - Hardener: 1 part
<b>Pot Life at 23°C</b>	4 hours
<b>Methods of Application</b>	Brush, Roller, Air Spray-gun, Airless (The data quoted are only hints)
<b>Thinning</b>	Brush: 5%, Roller: 0 - 5%, Spray-gun: 10 - 15%, Airless: 0 - 5%
<b>Nozzle Diameter</b>	Spray-gun: 1.7 mm. , Airless: 0.011" - 0.015"
<b>Nozzle Pressure</b>	Spray-gun: 3 - 4 bar, Airless: 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>	12.0 - 12.5%
<b>Flash Point (UNE EN ISO 3679)</b>	Base: 26 °C / Hardener: 30 °C
<b>Volume Solids (UNE EN ISO 3233-3)</b>	43 - 45 %
<b>Pack sizes</b>	10 l, 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, preferably with a mechanical shaker. The surfaces to be painted have to be clean, dry and sound, as well as free from dust, grease and oil. Once ready, wait 10 - 15 minutes before using the mixture in order to help to remove air bubbles.

### BARE SURFACES:

Steel, iron, wood, aluminium and non-ferrous light alloys: Prime with Anti-rust Epoxy 831 or 832 Epoxy. 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.

Other surfaces: Seek advice.

In all cases, the topcoats will have to be:

Moderately corrosive atmospheres: 35 - 50 microns

Highly corrosive atmospheres: 50 - 80 microns

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

If overcoating on well adhered systems, remove grease, oils and dirt (by freshwater jet, solvent etc.) Let to thoroughly dry and apply one or two coats of 843 Polyurethane Enamel, depending on requirements.

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

For poorly adhered systems and/or showing rust, remove them by brushing or scrapping. Patch with a suitable primer, preferably by brush, and apply one or two coats of 843 Polyurethane Enamel, depending on requirements. 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 843 Polyurethane Enamel.

## Precautions

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

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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.



# TITAN

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