

POLYURETHANE ENAMEL 843

Indoors - Outdoors - Gloss



Product Code: 843

Description

Two-pack polyurethane based on an acrylate and a an aliphatic isocyanate. It has an excellent resistance to weathering, and a good resistance to yellowing and loss of gloss. It has also good adhesion on different non ferrous metals and on certain galvanised surfaces.

Fields of Application

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

Technical Data

Product Type	Aliphatic polyurethane
Finish	Gloss
Colour (UNE EN ISO 11664-4)	White RAL 9016
Density (UNE EN ISO 2811-1)	1.13 - 1.17 Kg/L
Coverage (UNE 48282)	11 - 14 m ² /L (30 - 35 dry microns)
Drying at 23°C 60 % RH (UNE 48301)	3 - 4 hours
Recoat time at 23°C 60% RH (UNE 48283)	Minimum 24 h - Maximum 7 days
Mixing Rate	Base: 4 parts - Hardener: 1 part
Pot Life at 23°C	4 hours
Methods of Application	Brush, Roller, Spray-gun, Airless(The data quoted for Airless application are only hints)
Thinning	Brush: 5%, Roller: 0 - 5%, Spray-gun: 10 - 15%, Airless: 0-5%
Nozzle Diameter	Spray-gun: 1.7 mm. , Airless: 0.011□ - 0.015□
Nozzle Pressure	Spray-gun: 3-4 bar. , Airless: 175 bar.
Thinner	874 Thinner
Equipment Cleaning	874 Thinner
Recommended Thickness (UNE EN ISO 2808)	60 - 70 dry microns (in two coats)
Application Temperature, RH<80%	10 - 30°C
Flash Point (UNE EN ISO 3679)	Base: 26,5 °C / Endurecedor: 30,5 °C
Volume Solids (UNE EN ISO 3233-3)	39 - 40 %
Pack sizes	4 L. For 20 and 10 L, a minimum order of 200 L is required.

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:

The surfaces to be painted have to be clean, dry and sound, as well as free from dust, grease and oil.

Carefully stir the product in the can, preferably with a mechanical shaker.

Let the mixture to dry for 10 - 15 minutes before using it in order to help to remove air.

In all cases:

Moderately corrosive atmospheres: 60 - 70 microns.

Highly corrosive atmospheres: 70 - 105 microns

BARE SURFACES:

Steel, iron, wood, aluminium and non-ferrous light alloys: Prime with Anti-rust 831 or 832 Epoxy. In case of non-ferrous metal, 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: Consult your dealer.

MAINTENANCE OF PREVIOUSLY COATED SURFACES IN GOOD CONDITION:

If overcoating on well adhered systems, remove grease, oils and dirt (by freshwater jet, solvent etc.) Afterwards 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 manual or mechanical cleaning. Patch with a suitable primer, preferably by brush and apply one or two coats of 843 Polyurethane Enamel, depending on requirements.

Precautions

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

Issue date: 2016-05

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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