

# OUTDOOR POLYURETHANE 841

Indoors - Outdoors. Gloss



Product Code: 841

## Description

A two pack glossy polyurethane enamel. Formula based on aliphatic isocyanate and a polyacrylate with a high cross-linking degree. It has an excellent resistance to weathering and to corrosive atmospheres, both industrial and marine. Moreover, it has an excellent resistance to yellowing, wear, abrasion and impacts. It also has an excellent gloss retention.

## Fields of Application

As a high quality finishing coat both in and outdoors, even in highly aggressive environments. It can be applied on a very large variety of surfaces, such as steel, wood, aluminium, etc. It can be directly applied on glass-fibre reinforced polyester.

## Technical Data

<b>Product Type</b>	Aliphatic polyurethane
<b>Finish</b>	Gloss
<b>Colour (UNE EN ISO 11664-4)</b>	White
<b>Density (UNE EN ISO 2811-1)</b>	1.19 - 1.22 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>	4 - 5 hours
<b>Recoat time at 23°C 60% RH (UNE 48283)</b>	Minimum: 24 hours, maximum: 5 days
<b>Mixing Rate</b>	Base: 4 parts. Hardener: 1 part
<b>Pot Life at 23°C</b>	5 hours
<b>Methods of Application</b>	Brush, roller, spray-gun and airless (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>Flash Point (UNE EN ISO 3679)</b>	Base: 35 °C Endurecedor: 33 °C
<b>Volume Solids (UNE EN ISO 3233-3)</b>	48 - 50 %
<b>VOC (UNE EN ISO 11890-2)</b>	2004/42/IIA (j) (550/500) máx 490g/l
<b>Pack sizes</b>	4 l and 750 ml. For 20 l 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.

## Certificates

It complies with the UNE 48274:2003 standard.

## Directions for use

### GENERAL REMARKS:

Carefully stir the contents in the pack. The surfaces to be painted have to be clean, dry and sound, as well as free from dust, grease and oil. Once obtained the mixture, wait 15 minutes before application in order to help to remove air entrapped in the mixture. During the painting process, overlapping has to be done before 10 minutes.

We have available specific paint schemes for each of the categories of corrosiveness according to UNE EN ISO 12944. Please refer to our Technical Department.

### BARE SURFACES:

Steel, iron, wood: Prime with 831 Anti-rust Epoxy or 832 Epoxy.

Non-ferrous metal: Prepare the surface with one coat of 871 Phosphatizing Wash Primer or 831 Anti-rust Epoxy Primer, depending on requirements.

Polyester and Galvanised iron: Degrease with 874 Thinner and directly apply one or two coats

Other surfaces: Seek advice.

In all cases, finish with 35 - 70 microns of 841 Outdoor Polyurethane. In high or very high aggressive environments (C4 or C5 according to ISO INE EN ISO 12944), one or two coats of 832 Epoxy Primer will be required before finishing with 841 Outdoor Polyurethane .

### 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 841 Outdoor Polyurethane, depending on requirements.

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

For poorly adhered systems and/or showing rust, remove them by sandblasting up to Sa 2 ½ grade of the ISO 8501-2 standard or by means of manual or mechanical cleaning, up to ST3 grade of this same standard. Patch with a suitable primer, preferably by brush and apply the required number of coats of 841 Outdoor Polyurethane Enamel.

## Precautions

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

Issue date: 2014-01

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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