

TEXTURED POLYURETHANE ENAMEL 845

Indoor - Outdoor. Textured Gloss

TITAN



Product Code: 845

Description

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

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

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| Product Type | Polyurethane |
| Finish | Textured gloss |
| Colour (UNE EN ISO 11664-4) | 0597 Clear Base 0599 White Base |
| Density (UNE EN ISO 2811-1) | 0.94 - 1.00 Kg/l |
| Coverage (UNE 48282) | 8 - 12 m ² /l (25 - 35 dry μ) |
| Drying at 23°C 60 % RH (UNE 48301) | 3 - 4 hours |
| Recoat time at 23°C 60% RH (UNE 48283) | Minimum 24 hours - Maximum 7 days |
| Mixing Rate | Base: 4 parts - Hardener: 1 part |
| Pot Life at 23°C | 4 hours |
| Methods of Application | Spray-gun |
| Thinning | 35 - 40% |
| Nozzle Diameter | 1.5 mm |
| Nozzle Pressure | 1.5 - 2.0 bar |
| Thinner | 874 Thinner |
| Equipment Cleaning | 874 Thinner |
| Recommended Thickness (UNE EN ISO 2808) | 50 - 70 μ in two coats |
| Application Temperature, RH<80% | +10°C - +30°C |
| Maximal Volume Tinting Paste | 12.5% |
| Flash Point (UNE EN ISO 3679) | Base: 35 °C / Hardener: 30.5 °C |
| Volume Solids (UNE EN ISO 3233-3) | 42 - 50% |
| Pack sizes | 4 l |

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, if possible with a mechanical equipment. Stir the pastes with a suitable mechanical shaker. The surfaces to be painted have to be clean, dry and sound, as well as free from dust, grease and oil. Variations of pressure, nozzle diameter and thinning rate have an effect on the final textured appearance. Specific paint schemes are available for all environmental corrosion categories according to UNE EN ISO 12944. Please refer to our Technical Department.

BARE SURFACES:

Steel, wood, aluminium: Prime with one coat of 831 Rust Preventive.

Galvanised (zinc-plating): 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.

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 845 Textured Polyurethane Enamel.

In all cases end with:

1st coat thinned to 80% to be applied as a basecoat (Ford Cup viscosity 4: 30 - 40 "). It allows obtaining a covering and high adhesion undercoat for the final textured finish.

2nd coat thinned to 40% (Ford Cup viscosity 4: 80 - 100"). Apply 15 to 30 minutes after the undercoat. The pressure and diameter nozzle, together with the thinning rate, allow obtaining a wide variety of finishes ranging from smooth textured to rough textured.

MAINTENANCE OF PREVIOUSLY COATED SURFACES IN GOOD CONDITION:

Remove grease, oils and dirt by freshwater jet. Let to dry and apply two coats of 845 Textured 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 845 Textured 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.

Issue date: 2020-01

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



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