

# SYNTHETIC ENAMEL 816

Outdoors. Matt

**TITAN**



Product Code: 816

## Description

Urethaned alkyd high gloss enamel with excellent retention of colour and good outdoor performance. Good elasticity, resistance to mineral oils and aliphatic hydrocarbons.

## Fields of Application

As a general use finishing coat on steel and wood in industrial, rural and marine atmospheres with moderate chemical aggression. For structural steel, iron gates, doors, etc., and for any iron and wooden surface, both in- or outdoors.

## Technical Data

<b>Product Type</b>	Alkyd urethaned
<b>Finish</b>	Matt
<b>Colour (UNE EN ISO 11664-4)</b>	0597 Clear Base and 0599 White Base
<b>Density (UNE EN ISO 2811-1)</b>	0.92 - 0.97 Kg/l
<b>Coverage (UNE 48282)</b>	12 - 14 m <sup>2</sup> /l (30 - 35 dry μ)
<b>Drying at 23°C 60 % RH (UNE 48301)</b>	4 hours
<b>Recoat time at 23°C 60% RH (UNE 48283)</b>	Minimum: 12 hours
<b>Methods of Application</b>	Brush, Roller, Spray-gun and Airless
<b>Thinning</b>	Brush: 5%, Roller: 5%, Air Spray-Gun: 10% (The data quoted are only hints)
<b>Nozzle Diameter</b>	Spray-Gun: 1.7 - 2.2 mm, Airless: 0.015" - 0.018" (only hints)
<b>Nozzle Pressure</b>	Spray-Gun: 3 - 4 bar, Airless: 175 bar (only hints)
<b>Thinner</b>	875 Thinner
<b>Equipment Cleaning</b>	875 Thinner
<b>Recommended Thickness (UNE EN ISO 2808)</b>	70 - 100 dry μ (in 2 or 3 coats)
<b>Application Temperature, RH&lt;80%</b>	+10°C - +30°C
<b>Maximal Volume Tinting Paste</b>	12 - 12.5%
<b>Flash Point (UNE EN ISO 3679)</b>	39 °C
<b>Volume Solids (UNE EN ISO 3233-3)</b>	48 - 50 %
<b>Pack sizes</b>	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 contents in the pack. The surfaces to be painted have to be clean, dry and sound.

### BARE SURFACES:

**Steel:** Previously apply one of the primers of our alkyd range, following directions for use and keeping the overcoating intervals. Then apply a suitable number of paint coats, depending on requirements.

**Non ferrous metals:** Previously apply one coat of 804 Multi Purpose or 871 Phosphatizing Wash Primer. To improve adhesion, some light sanding on metal may be necessary.

**Other surfaces:** Seek advice.

### In all cases:

**Lightly corrosive atmospheres:** 1 - 2 coats (35 - 70 microns)

**Moderately corrosive atmospheres:** 2 - 3 coats (70 - 100 microns)

In order to improve resistance to outdoor conditions, 3 Enamel coats are recommended.

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

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

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

If the previous paint system is poorly adhered, it has to be removed by sandblasting up to Sa 2 ½ grade of the ISO 8501-2 standard or, alternatively, by hand or mechanical scraping or brushing up to ST-3 grade of this same standard. Then patch with the suitable primer, and apply the required number of Enamel coats.

## 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: 2019-12

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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