

# RUST PREVENTIVE EPOXY PRIMER 831

## TITAN



**Product Code:** 831

## Description

Epoxy-polyamide anticorrosive primer that contains non-toxic rust inhibiting pigments (chromate-free and lead-free). It has a high rust-preventive action, as well as hardness, toughness and adhesion on several surfaces.

Suitable as a rust-preventive multipurpose primer for metallic structures in industrial and marine atmospheres. Excellent adhesion on brass, aluminium and zinc-plated (galvanized) surfaces.

## Technical Data

<b>Product Type</b>	Epoxy polyamide
<b>Finish</b>	Satin
<b>Colour (UNE EN ISO 11664-4)</b>	Beige
<b>Density (UNE EN ISO 2811-1)</b>	1.32 - 1.36 Kg/l
<b>Coverage</b>	6 - 10 m <sup>2</sup> /l (40 - 60 dry $\mu$ )
<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: 8 hours. Maximum: 7 days
<b>Mixing Rate</b>	Base: 4 parts Hardener: 1 part
<b>Pot Life at 23°C</b>	4 - 6 hours
<b>Methods of Application</b>	Brush (Just patch), Air Spray-Gun, Airless (The data quoted are only hints)
<b>Thinning</b>	Brush: Max.5%, Air Spray-Gun: 5 - 10%, Airless: 0 - 5%
<b>Nozzle Diameter</b>	Air Spray-Gun: 1.7 mm, Airless: 0.015" - 0.018"
<b>Nozzle Pressure</b>	Air Spray-Gun: 3 - 4 bar, Airless: 150 - 175 bar
<b>Thinner</b>	873 Thinner
<b>Equipment Cleaning</b>	873 Thinner
<b>Recommended Thickness (UNE EN ISO 2808)</b>	40 - 60 dry $\mu$
<b>Application Temperature, RH&lt;80%</b>	+10°C - +30°C
<b>Flash Point (UNE EN ISO 3679)</b>	Base: 36 °C / Hardener: 36 °C
<b>Volume Solids (UNE EN ISO 3233-3)</b>	53 - 55 %
<b>Pack sizes</b>	20 l, 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.

## Certificates

Anticorrosive epoxi primer, chromate, and lead free UNE 48271: it complies with type 1 and type 2

## 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.

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

If exceeding the maximum overcoating limit, to ensure the maximum adhesion between coats a light blasting is required. (Sand Sweeping), to confer a light roughness to the primed surface.

### BARE SURFACES:

Iron: Remove rust by sandblasting up to Sa 2 ½ grade of the ISO 8501-1 standard or by means of manual or mechanical cleaning, up to ST3 grade of this same standard. Degrease, dust off and remove rests of rust. Apply the required number of coatings to reach the recommended thickness level. In highly corrosive atmospheres, it is advisable to apply an intermediate coat of 832 Micaceous Iron Epoxy Primer, before the topcoats with one of our polyurethane-based products, according to instructions.

Galvanised steel or non-ferrous metals: Carefully clean and degrease before applying one coat of this primer. Depending on the galvanised surface type, it will be necessary to open pores.

Other surfaces. Seek advice.

### 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 this primer, preferably by brush. Apply a fullcoat of this primer and then the finishing product, according to specifications.

If there is a large poorly adhered surface, thoroughly remove old coats and proceed as for bare surfaces.

## 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: 2019-05

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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