Neopox® Primer 815

Two-component, anti-corrosive epoxy primer for metallic surfaces

Description

Two-component anti-corrosive epoxy primer, for the protection of metallic surfaces. Compatible with epoxy, acrylic, polyurethane and alkyd-based topcoats.

Field of applications

Metallic surfaces in roofs, tanks, pipes, fences, etc.

Properties - Advantages

- Excellent anti-corrosive protection of metallic surfaces
- Resistant to alkalis and dilute acids, petroleum products, fresh and salt water, as well as various solvents
- Excellent resistance to abrasion and adverse atmospheric conditions, e.g. industrial atmosphere, seaside areas, etc.
- Very strong adhesion on metallic surfaces
- Ideal bridge of adhesion for epoxy, acrylic, polyurethane and alkyd-based topcoats

Packing

Sets (A+B) of 6kg and 1,2kg

Colour

GREY

Technical characteristics	
Mixing ratio A:B (by weight)	100:20
Density (EN ISO 2811-1)	1,32kg/L (±0,1)
Solids content by weight	~65%
Solids content by volume	~46%
Adhesion strength (EN 1542)	≥2,5N/mm²
Consumption: 150-180gr/m² per layer	

Application conditions	
Substrate moisture content	<4%
Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+12°C min. / +35°C max.

Curing details	
Pot life (+25°C, RH 50%)	1 hour
Drying time (+25°C, RH 50%)	2 hours
Dry to recoat - overcoat (+25°C, RH 50%)	18 hours
Full hardening	~ 7 days
** Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them*	

Instructions for use

Substrate preparation

Metallic surfaces (iron – steel)

The metallic surfaces must be properly prepared by sandblasting or sanding with a wire brush and should be dry, free of dust, dirt, greasy and oily substances, as well as any poorly adhering coatings. In rusty areas, it is recommended to locally apply the chemical rust converter **Neodur® Metalforce.** New metallic surfaces should be degreased with solvent **Neotex® 1021**.

Application

Neopox® Primer 815 is applied in at least one layer, diluted 8-10% with solvent **Neotex® 1021**, by roller, brush or airless spray. Every subsequent layer is applied 12-24 hours after the application of the previous one (depending on the atmospheric conditions).

The two components A & B are mixed in the predetermined ratio (10A : 2B w/w) and, after the addition of the solvent, they are mechanically stirred for app. 3-5 minutes with a low-speed stirrer, until the mixtures become homogeneous. It is important to stir thoroughly at the bottom of the container, as well as near the sides, so that the hardener (component B) is evenly distributed. The mixture is left for a short time period in the container (~1-2 minutes) and then applied. Prior to mixing, mechanical stirring of component A is recommended.

Special notes

- **Neopox® Primer 815** should not be applied under wet conditions, or if wet conditions are expected to prevail during the application or the curing period of the product.
- The components should not have been stored at very low or very high temperatures, especially before mixing. Mixing and stirring of the mixture should be preferably done in the shade. The stirring of the mixture must be done mechanically and not manually with a rod, etc.
- Excessive stirring of the material should be avoided, in order to mitigate the risk of air entrapment. After stirring the mixture, it is recommended to apply the material shortly in order to avoid the development of high temperatures and potential hardening inside the can
- The substrate temperature must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish

- Due to the nature of the material, the direct and permanent exposure of the final coating to UV radiation may cause the phenomenon of chalking over time
- In case that an extended period of time has passed between successive layers (>24-36 hours, depending on prevailing atmospheric conditions), it is recommended to lightly sand the surface of the previous layer, in order to avoid possible adhesion problems of the next layer
- In interior applications (not exposed to UV radiation), **Neopox® Primer 815** may as well be applied as a topcoat paint (i.e. without being overcoated)

Appearance	Grey
Packing	Sets (A+B) of 6kg and 1,2kg
Cleaning of tools – Stains removal	By **Neotex® 1021** immediately after the application. In case of hardened stains, by mechanical means only.
Volatile organic compounds (V.O.C.)	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AjSB: 500g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <500g/l
UFI code	*Component A*: T270-R0UY-000R-22JD *Component B*: T470-80JC-A007-RE4F
Storage stability	2 years, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation.

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