

# Neodur<sup>®</sup> Metalforce

## Rust converter

### Description

One-component, water-based rust converter

### Fields of application

- Oxidized metal surfaces in industrial applications, construction and shipbuilding repairs, tools and machines, etc.
- Concrete reinforcement steel bars

### Properties - Advantages

- Reacts chemically with rust, converting it into healthy metal
- Stabilizes the surface and forms a durable protective layer that prevents new rust from developing
- Presents excellent adhesion on metallic surfaces (iron, cast iron, steel) and creates the ideal substrate for the subsequent layer of the anti-corrosive coating
- Ideal solution especially in cases where the removal of rust is difficult or impossible
- Ready for use and easy to apply



### Appearance (after the application)

Transparent on pure iron,  
black on oxidized surfaces

### Packing

1L and 250ml

### Technical characteristics

Density (EN ISO 2811-1)	1,03kg/L (±0,03)
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**Consumption: 50ml/m<sup>2</sup> in one layer**

### Application conditions

Relative air humidity (RH)	<70%
Application temperature (ambient - substrate)	+5°C min. / +35°C max.

### Curing details

Drying time (+25°C, RH 50%)	3 hours
Dry to recoat (+25°C, RH 50%)	24 hours

*\* Low temperatures and high humidity during application and/or curing prolong the above times, while high temperatures reduce them*

## Instructions for use

### **Substrate preparation**

The metallic surface must be dry, clean, free of dust, oil, grease, older coatings and loose materials. The loose rust should be removed by appropriate mechanical means (e.g. by wire brush). Oxidized surfaces exposed to marine environment should be cleaned with fresh water prior to the application of **Neodur® Metalforce**.

### **Application**

**Neodur® Metalforce** is applied on the properly prepared metal surface, undiluted, by roller or brush, in one layer of uniform thickness. It must then be allowed to react for 24 hours before being overcoated by an anti-corrosive coating. The change of the colour of the oxidized surfaces to black is completed in ~3 hours.

## Special notes

**Neodur® Metalforce** is ready for use. It is not recommended to dilute it, since its reactivity will be reduced.

<b>Appearance (after the application)</b>	Transparent on pure iron, black on oxidized surfaces
<b>Packing</b>	1L and 250ml in plastic bottles
<b>Cleaning of tools – Stains removal</b>	By water immediately after application. In case of hardened stains, by mechanical means
<b>Volatile organic compounds (V.O.C.)</b>	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AgWB: 30g/l (Limit 1.1.2010). V.O.C. content of the ready to use product <30g/l
<b>UFI code</b>	7R40-3077-R00C-7UTN
<b>Storage stability</b>	1 year, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.



The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition

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