

# RUST DOESN'T STAND A CHANCE!



Storage tank with completely rusted surface.



The same storage tank after applying noverox®: the rust was transformed into a black protective layer.

It is now possible to fight rust simply and cleanly, prime in a one-step operation, and take control of your rust problems.

The steel/iron surface is primed with noverox® before applying the finishing coat.

#### The result:

Now rust no longer has any chance of progressing, subsurface rusting and breaking through the finishing coat, and continuing to destroy steel and iron by corrosion. noverox® is an outstanding investment.

noverox® can be applied in any way – by rolling, brushing or spraying. The various grades of the product are clearly labelled, can be diluted with noverox® special thinner, and are available in a range of pack sizes.

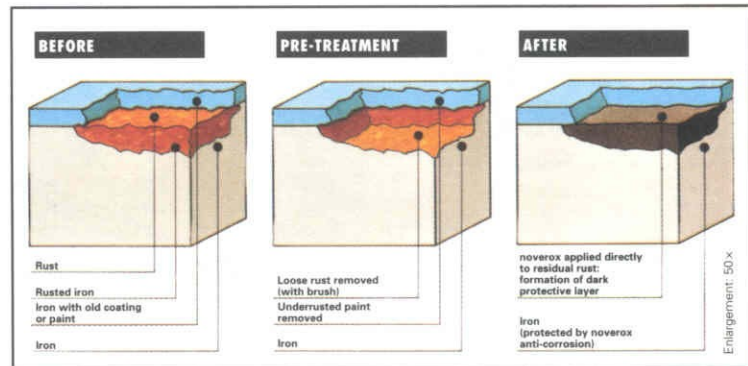
**The results have been confirmed by testing for compliance with international standards, by outdoor weathering tests, by salt spray testing, and by in vitro and in vivo.**

noverox® can also be applied directly to rust. One of the major advantages of noverox® is the guaranteed ability of the patented noverox® system to stop the rusting process completely and permanently. Years of feedback from the owners of buildings, property consultants and applicators

enable us to pass on customer-specific experiences in our documentation.

noverox® is applied to rusted iron components and stops the corrosion process durably. The rusted surfaces are penetrated by noverox® and rendered inactive. After treatment with noverox®, they protect the underlying iron/steel from attack by rust.

Brush or spray application: no need for complete derusting.



The action of noverox® is convincing: rust is neutralized and rendered inactive. Any further progress is halted.

**The old layer of rust is now a protective layer!**  
It protects the underlying iron after application of noverox®.

**noverox®**

**ANTI-CORROSION**

The rust protection system that helps retain value

noverox® is a trademark registered by SFS Stadler Heerbrugg/Switzerland

**SFS**

Quality for professionals



noverox®, the great Swiss invention for effective rust protection



## A<sub>x</sub> anti-corrosion primer reacts directly with rust

*Safe and reliable!*

# Technical Data

- Appearance : off-white emulsion, after drying of the film: black (caused by conversion)
- Odour : mild
- Density : 1,0 g/cm<sup>3</sup>
- Solids content : 39%
- pH value (acidity) : 3.0 (Ford beaker No. 4, 68° F)
- Viscosity as per DIN 53221 (DIN beaker with nozzle of 4 mm/160 mils) : approx. 35–45 seconds (after shaking, stirring)
- Dust-free : no pick-up after approx. 1 hour
- Recoating with noverox A<sub>x</sub> : after approx. 1 hour
- Coating with paint systems : after 24 hours
- Application methods : by brush or roller, airless or compressed air spray gun
- Application techniques : compressed air spraying at 3–4,5 bar with nozzle of 0.8–1.8 mm (32–72 mils); airless at 80–150 bar with nozzle of 0,3–0,45 mm (12–18 mils)
- Application viscosity : 35–45 seconds, consistency delivered through nozzle of 4 mm (160 mils)
- Thinner : noverox T<sub>x</sub> special thinner, ideal admix max. 5%
- Cleaner : universal thinner or nitrothinner
- Consumption : 150–200 g/m<sup>2</sup> (0,5–0,66 oz./sq.ft.) for 50 microns (2 mils)
- Application temperatures : +10 to 30° C (+50° to 100° F); at more than 80% relative humidity, drying is retarded.
- Adhesion (square-cut adhesion test as per DIN EN ISO 2409, 50 my (2.0 mils) after 3 weeks drying on St 37 (St 2) steel) : GT 0
- Adhesion as per ASTM D 3359, measuring adhesion by tape test, method B-cross cut tape test : Grade 5B; edges of the cuts are completely smooth.
- Elasticity as per Erichsen, DIN 53156 (ASTM D 3281), after 3 weeks drying : over 6 mm (240 mils)
- Rod bending test as per DIN EN ISO 1519 : 3 mm (120 mils), no cracks
- Chemical resistance : the noverox A<sub>x</sub> protective layer displays good resistance to weak acids, caustic solutions and non-aggressive oils.
- Resistance to sustained heat : 175° C (350° F)
- Resistance to temporary heat : 230° C (450° F)
- Salt spray test as per DIN 50021 (ASTM B117) : 500 h
- Kesternich test as per DIN 50018/0,25 : 500 h (SO<sub>2</sub>)
- Flash point (as per Markusson) : 73° C (154° F)
- Shelf life : 18 months at 20° C (68° F) in sealed containers
- Container sizes in litres and US gallons : 1 ltr (0,264 gal.), 2,5 ltrs (0.661 gal.), 5 ltrs (1.32 gal.), 25 ltrs (6.6 gal.), 200 ltrs (52.84 gal.).

This leaflet supersedes technical notice E 50-1-1/CA 10.2787 about noverox A<sub>x</sub> anti-corrosion.

**Further noverox® rust protection systems:**

- noverox S<sub>x</sub> special spray quality
- noverox Carossier (rapid drying)
- noverox COLOR Anti-Rust

**As suitable topcoat systems in combination with noverox A<sub>x</sub>, we can deliver:**

LS 700 Mica Paint: high-quality alkyd-resin based anticorrosion finishing paint, available in 5 different colour shades.  
 LN 850 Bitumen Paint: phenol-free one-component coating, primarily used for steel parts which are in contact with drinking water.  
 2-component Epoxy Mica Paint: for surfaces subjected to stresses caused by water, humidity and all kinds of corrosive influences.  
 (on High-Solid basis)