

# PROTIFER

WATER-BASED RUST CONVERTER  
FOR IRON AND GALVANISED SHEET METAL

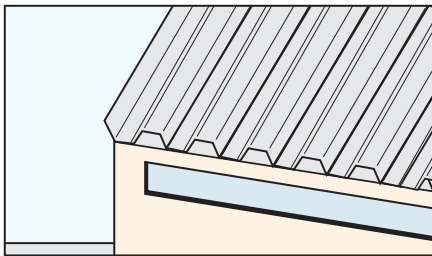


GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE				PRECAUTIONS
ONE-COMPONENT	WATER BASED	ECO GREEN	MIX MECHANICALLY	SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	STORAGE: KEEP AWAY FROM FROST

## PROBLEM

### IMPROVING THE ADHESION OF PAINT TO METAL SURFACES



Iron oxidises and corrodes easily if it is exposed to the combined action of water vapour and oxygen in the atmosphere. Therefore, if it is not possible to remove rust completely with mechanical means, it must be converted into an inactive material, stopping all further corrosive processes.

## SOLUTION

**PROTIFER** is a water-based film-forming chelating polymer. It reacts with rust, transforming it into an inert blue-black organic metal compound.

It also contains emulsified resins that promote the anchorage of the film to the metal. **PROTIFER** can penetrate into the deepest gaps and pores in the sheet metal, covering the treated part with a protective plastic film, ideal as a base for any subsequent coat of paint.

## APPLICATION FIELDS

It can be applied to both oxidised and clean sheet metal. It is recommended for large items such as tanks, pylons and industrial plant as well as small DIY maintenance jobs.

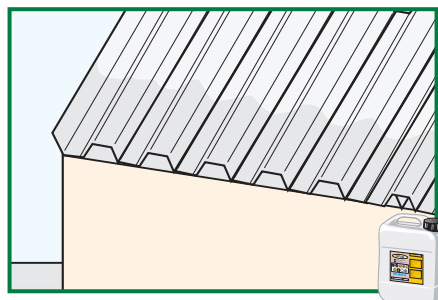
## ADVANTAGES

- Good rust prevention power
- No problem with overpainting
- Good adhesion to the substrate

## METHOD OF USE

### • PREPARING THE SURFACE TO BE TREATED

For applications on non-oxidised sheet metal, take care to degrease the metal with a solvent, whereas for oxidised sheet metal, rust not adhering to the metal must first be removed by mechanical and/or manual brushing or by sanding the entire surface. Any scale or patches of old paint must be completely removed in order to enable better adhesion of the subsequent application of **PROTIFER**.



### • APPLICATION

Before use, shake the can well in order to blend the product completely. The product can be applied with a brush, by roller or by spraying.

It is not necessary to apply more than one coat of converter, unless the subsequent coat of paint is applied a long time later. In all cases, wait at least four hours between the first and second coats.

For spray applications the product must be diluted with 5% water.

**PROTIFER** can also be applied on slightly damp surfaces.

Surface painting must be performed after 24 hours.

### • COVERAGE

Coverage on metal surfaces: approximately 0.100 kg/m<sup>2</sup> per coat.

### • PRECAUTIONS

- Do not apply on wet or damp surfaces.
- Do not use on surfaces or containers where edible liquids and drinking water are kept or

which may come into contact with solvents or mineral oils.

- Mix the product thoroughly before use.
- Keep the containers sealed before use.
- Apply at temperatures between +5°C and +35°C. Do not apply in extremely hot or cold conditions. Do not apply when there is a risk of the temperature falling below +5°C while the paint film is drying. Do not apply on very hot surfaces because the film-forming process would be accelerated excessively, with negative consequences for the product's cohesion and adhesion to the surface.
- Do not apply in very damp conditions or if there is a risk of rain while the film is still drying.
- After use clean the tools with water.
- Not frost-proof: store at temperatures above +5 °C

## TECHNICAL CHARACTERISTICS

	Standard	PROTIFER
Appearance		Liquid
Colour		White
Density	UNI EN ISO 2811-1	1.01 ± 0.01 kg/litre
Dry residue (m/m)	UNI EN ISO 3251	25%
Waiting time - for dust-free drying - at 25°C and 50% R.H. (*)		15 minutes
Storage in the original packs		12 months

(\*) The stated times may be longer or shorter as the temperature decreases or increases.

The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

## PACKAGING

**PROTIFER**  
20-litres Can.  
5-litres Can.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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