FERRIDROL 2000

PRODUCT TYPE

Water-soluble alkyd anti-corrosion primer.

RECOMMENDED USE

Anti-corrosion primer for protecting metallic surfaces exposed to mildly aggressive environments.

PROPERTIES

- Easy to apply
- Fast drying
- Can be coated with water-based and solvent-based paints, including polyurethane paints.



Product features:

Colour: UNE EN ISO 3668	Several colours
Brilliance (60° geometry) UNE EN ISO 2813	Matt
Specific weight (kg/l) UNE EN ISO 2811-1	1.45 ± 0.05
Weight of solid components (%) UNE EN ISO 3251	58% ± 3
Volume of solid components (%) UNE 48090-82 (ISO 3233)	41% ± 2
Theoretical return	7-8 m²/l. (50 microns layer)
pH	8 - 8.5
Storage and stability in container	6 months in the original, unopened packaging. Store in a cool dry place away from frost. Temperature range: 5-40ºC

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How to use

	READY TO USE
Application device	Brush, roller, airbrush gun, airmix and airless.
Recommended layer thickness	40-80 microns per layer
Aerograph	Spray nozzle: 1.4 - 2 mm. Pressure: 3-4 BAR
Mixed	Spray nozzle: 0.013” – 0.017”. Pressure: 40-60 BAR
Airless	Spray nozzle: 0.013” – 0.017”. Pressure: 150-170 BAR
Application on	Clean and degreased steel for normal environment. Sandblasting Sa 2 ½ for mildly aggressive environments.
Thinner	Demineralised water
Equipment cleaning	We recommend proper cleaning of devices and equipment after work

Instructions for use

Preparation of surfaces
Wash surface and remove oxides, grease, or powder residues.
A very important factor in this type of water-based paint is the 'cleaning factor' of the surface. It must be cleaned thoroughly to prevent the formation of craters, poor wettability, poor adhesion, etc. For this reason, we recommend you to work on clean, degreased and pickled surfaces, with several perfect degreasers to remove every trace of grease and impurity which could have a direct impact on this type of product. Moreover, to reach the desired viscosity, we recommend the use of demineralised water to avoid adding soluble salts into the mixture.

Instructions for use
Apply fine and uniform layers very evenly.

Advice before application
Stir the paint in container well until mixture becomes homogeneous Avoid air bubbles when stirring Dilute only the amount of paint you will be using. Wash equipment with water immediately after using them.

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Drying/polymerisation *

	10ºC	20ºC	35ºC
Dry to touch UNE EN ISO 3678	2-3 hr	30-60 min	30 min
Induced drying (optional) 40-80 °C	15-30 min		
Minimum waiting time to apply the second layer	2 hr		
Maximum waiting time to apply the second layer	Indefinite*		
Drying for physical tests	15 days		
Drying for chemical tests	15 days		

* Check Appendix on definitions

For the water-soluble products range, which are dried in open air, atmospheric conditions such as temperature and humidity are important. The ideal levels are 20°C and 65% R.H. We therefore recommend you work with ovens or low-temperature heat chambers to homogenise drying throughout the year under the same conditions every time.

Physical and chemical properties

Test tubes	0.7 mm carbon steel
Dry film thickness UNE-EN ISO 2808	60+/- 5 microns
Adhesion UNE-EN ISO 2409	100% (Gt0)
Direct impact	45cm/20mm
Reverse impact	45cm/20mm
Stamping	5 mm

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Generalities

Conditioning	25 kg / 5 kg
Storage	In a cool dry place.

Notes

See General Conditions.
Check Appendix on Definitions to obtain further details on the different aspects of the data sheet, as well as general usage tips.
Temperature must be above 10 °C during the product's application and drying.
Similarly, paint temperature should be above the minimum set threshold.
It is therefore important to guarantee proper ventilation during its use on closed surfaces and subsequent polymerisation. Do not keep containers open or partly used.
For mildly aggressive environments: As for standard toxicology, check SAFETY DATA SHEET.
Ensure proper ventilation when painting.
Shake container before use.

This sheet is for information purposes only, and does not replace an expert's advice. The information provided reflects our current knowledge and have been obtained from our own experience, but under no circumstance do they entail any warranty whatsoever from our part. For this reason, Barpimo cannot accept any undesired consequence deriving from its use. 15-06-2016 (1) This sheet replaces any previous one.

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