



# Technical data sheet

PROTECTION MADE EASY

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## Monofer

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### Description and destination of the product

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**Monofer** is a satin gloss multilayer system: the product can be used as primer or as finishing coat directly on iron, steel, aluminium (sanded) and hard PVC.

Thanks to the use of a specific resin combination and a special active anticorrosion pigment, the combination primer/finishing coat is obtained in one product and this as well for inner as outer applications.

### Type of binder

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Urethane modified alkyd resin in combination with a specific adhesion resin.

### Type of pigment

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Titanium dioxide and/or other (lead-free) colour pigments. As active anticorrosion pigment a special (zinc free) modified phosphate pigment is used.

### Colour

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Thanks to the Colour Dispensing system more than 8000 colours are available such as NCS, RAL, British Standard, TVT, Touché, ....

### Gloss

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Satin: 60 ± 5 % (60° Gardner-ASTM D523)

## Technical data

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- **Density:** White and pastel colours: 1.35 ( $\pm$  0.05) g/cm<sup>3</sup>  
Other colours: 1.18 ( $\pm$  0.05) g/cm<sup>3</sup>
- **Solids content:** 50 ( $\pm$  3) % in volume  
66 ( $\pm$  3) % in weight
- **Drying times:** dustdry : 1 hour  
(20°C – 40 micron) tackfree : 5 hours  
dry : 10 hours  
recoatable : 24 hours
- **VOC:** 430 g/L (not diluted)  
495 g/L (+ 15 % white spirit)
- **Recommended layer thickness:** 50 to 60 micron
- **Theoretical yield:** 9 to 11 m<sup>2</sup>/L for 50 micron dry  
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

## Surface preparation

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The surface must be clean, dry and degreased, free of rust, mill scale and dust.

A solvent, alkaline or emulsion solution can be used for removal.

Salts or other water dilutable contaminations must be removed by means of a high-pressure water jet or steam. The surface to be painted must be dry.

Possible rust must be removed completely by blasting or mechanically derusting. After derusting, dust the surface.

## Use

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Ready for use for brush and roller applications: can be diluted 0 to 2 % with white spirit.

Spraying application:

	% Dilution	Thinner	Pressure (bar)	Nozzle
Pneumatic gun	10 – 15%	<b>White Spirit</b>	3-4 bar	1.5-1.8 mm
Airless gun	0 – 5%	<b>White Spirit</b>	100-150 bar	0.015" – 0.021"

The material can be cleaned with white spirit.

## Application conditions

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**Monofer** is best applied at temperatures above 10°C and air humidity lower than 85%.

## Storage stability

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Minimum 2 years in the original and unopened packing, stored in a dry environment at temperatures between -20°C and +40°C.

## Safety measure

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For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

*The last update of our technical data sheets is always available at our website: [www.libertpaints.be](http://www.libertpaints.be)*

### **Disclaimer**

*The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.*

*We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.*

*Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.*