



Technical data sheet

PROTECTION MADE EASY

Zincomine

Description and destination of the product

Zincomine is a primer, based on special modified oils and zinc phosphate.

Besides a good corrosion protection on iron and steel, this combination also has the following special advantages:

- very quick drying, even at high air humidity
- recoatable with almost all standard systems

Zincomine is free of lead and chrome and contains as volatile material only white spirit and aliphatic mineral spirits.

Type of binder

Drying oils modified with polyurethane.

Type of pigment

Inert fillers and iron oxide or titanium oxide, depending on the colour; zinc phosphate as active anticorrosion pigment.

Colour

White, oxide-red, and all pastel shades by Monicolor dispenser.

Gloss

Mat.

Technical data

	White	Oxide red
○ Density:	1.32	1.36
○ Solids content:		
In weight (±2)%	66	67
In volume (±2)%	45	44
○ Viscosity CF4 (± 10) sec.	90	90
○ Theoretical yield(m²/L)	11.25	11
for 40 µ dry layer thickness:		

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.

○ Drying times:	<u>20°C - 65% R.V.</u>	<u>8°C - 80% R.V.</u>
Dustdry:	1 hour	1 hour
Tackfree:	1.5 hour	2 hours
Dry:	12 hours	14 hours

- **VOC:**
Zincomine white / base A
(+ dispenser colors) : < 350 g/L

Zincomine oxide red : 447 g/L(not diluted) / 496 g/L (10% diluted)

Surface preparation

The metal must be completely free of grease, oil and other impurities. The removal should be done with solvent, alkaline solution or emulsifier. Salts or other water-soluble contaminations must be removed by washing with high-pressure water or steam jet. The surface must be completely dry. Remove rust by blasting or mechanical derusting. After derusting, the surface should be made free of all dust.

Use

- Ready for use by brush or roller
- Spraying application:

	% Dilution	Pressure	Nozzle
Pneumatic gun	5-10%	3-4 bar	1.5-1.8 mm
Airless gun	0-5%	100-150 bar	0.015"-0.021"

- Spray diluent : white spirit or **Thinner 16** or **Thinner 20**
- Clean diluent : white spirit
- Recommended layer thickness: 30 – 60 micron

A **Zincomine** paint film of 40 micron can be overcoated with the following paint systems (at 20°C and 65 % relative humidity):

- quick drying alkyd paints (**Carlux (Tematic), Mecavit**) after 16 hours
- waterborne lacquers after 12 hours
- chlorinated rubber, vinyl copolymers and acrylics after 18 hours

Application conditions

Do not apply at temperatures lower than 5°C and air humidity higher than 85 %. The temperature of the metal surface must be at least 3°C higher than dew point.

Storage stability

Minimum 2 years in the original, unopened packing at temperatures between –40°C and +50°C.

Safety measure

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

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.