

## TECHNICAL DATA SHEET

## P501

V2-24/03/2024

### EPOXY ZINC PHOSPHATE PRIMER

#### DESCRIPTION & USE

P501 is an epoxy zinc phosphate primer based on a high molecular weight epoxy resin. It is used as a primer for steelwork in general, galvanised iron or aluminium. Usually used in combination with an epoxy or polyurethane system.

#### PROPERTIES

- High bond strength
- Quick drying
- High anti-corrosive properties
- Easy application properties
- Long pot life

#### CHEMICAL RESISTANCE

Resistant to most dilute acids & alkalis, petroleum products & salt water.

<b>COLOUR</b>	: Red
<b>Nº. OF COMPONENTS</b>	: 2
<b>MIXING RATIO (VOL)</b>	: 4 : 1
<b>CONSISTENCY</b>	: Liquid
<b>VOLUME SOLIDS</b>	: 50%
<b>MIXED DENSITY</b>	: 1.23
<b>PRACTICAL SPREAD RATES</b>	: 10m <sup>2</sup> /ℓ
<b>WET FILM THICKNESS</b>	: 100µm
<b>DRY FILM THICKNESS</b>	: 40 - 50µm
<b>POT LIFE @ 25°C</b>	: 4 hrs
<b>TOUCH DRY @ 25°C</b>	: 1 - 2 hrs
<b>OVERCOATING TIME (MIN)</b>	: 2 - 8 hrs
<b>OVERCOATING TIME (MAX)</b>	: 7 days
<b>FULL CURE</b>	: 7 days
<b>FLASH POINT</b>	: 24°C
<b>CLEANING EQUIPMENT</b>	: P701 WSBC
<b>SHELF LIFE</b>	: 12 months
<b>PACK SIZE</b>	: 5 & 20 litres

#### SURFACE PREPARATION

Blast-cleaning to Sa 2 ½. (ISO 850 1-1:1988/SS 05 5900).  
Galvanised areas must be undamaged, degreased and dry.

#### APPLICATION

Mix the Base and activator in the proportions given.  
Mechanical slow mixing is preferable.  
Apply by brush, roller or airless spray

#### Guiding data for airless spray:

Pressure at nozzle	:15Mpa (kp/cm <sup>2</sup> , 2100psi)
Nozzle up	:0.018-0.027" (0.46 - 0.69mm)
Spray angle	:40 - 80°
Filter	:Check to ensure that filters are clean.
Thinner	:Epoxy Thinners

The temperature of the substrate should be min. 10°C and min. 3°C above dew point of the air.  
Good ventilation is necessary when the paint is used in confined spaces.

#### HEALTH AND SAFETY

This product is highly flammable.  
Refer to the relevant 16-point Material Safety Data Sheet.

*The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.*

