

TECHNICAL DATA SHEET

D501

EPOXY ZINC PHOSPHATE PRIMER

V2-24/03/2024

DESCRIPTION & USE

D501 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.

COLOUR	: Red
N° OF COMPONENTS	: 2
MIXING RATIO (VOL)	: 4 : 1
CONSISTENCY	: Liquid
VOLUME SOLIDS	: 50%
MIXED DENSITY	: 1.23
PRACTICAL SPREAD RATES	: 10m ² /ℓ
WET FILM THICKNESS	: 100µm
DRY FILM THICKNESS	: 50µm
POT LIFE @ 25°C	: 4 hrs
TOUCH DRY @ 25°C	: 2 hrs
OVERCOATING TIME (MIN)	: 2 – 8 hrs
OVERCOATING TIME (MAX)	: 7 days
FULL CURE	: 7 days
FLASH POINT	: 24°C
CLEANING EQUIPMENT	: D701 WSBC
SHELF LIFE	: 12 months
PACK SIZE	: 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 ² , 2100psi)
Nozzle tip	: 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.