

ZINC PHOSPHATE PRIMER

1. DESCRIPTION:

A single pack, non-toxic, anti-corrosive primer based on a modified alkyd resin with zinc phosphate as the ant-corrosive pigment.

2. PRINCIPAL CHARACTERISTICS:

- 2.1 Dries quickly, mainly by solvent evaporation, to recoating and handling stages.
- 2.2 No danger of side reactions such as can occur with epoxies and polyurethane (with acid fumes and moisture) while curing on polluted sites.
- 2.3 Good adhesion to wire brushed surfaces.
- 2.4 Suitable for rapid in-situ running maintenance.
- 2.5 Can be used on steel and wood.
- 2.6 Non-toxic – suitable for the food industries, schools and playgrounds.

3. GENERAL DATA:

TYPE	Styrenated Alkyd
DRYING TIME AT 25°C	Surface dry: 24 hours
RECOATING TIME	2 hrs minium → 30 DAYS maximum
SPECIFIC GRAVITY	1.48 – 1.50
SOLIDS BY MASS	60 - 52%
SOLIDS BY VOLUME	41 – 43%
SPREADING RATE	Approx. 10 m2/1lt (depending on surface porosity)
GLOSS	Semi-matt
RELATIVE DENSITY	1.29 – 1.33

4. COLOUR RANGE:

Grey.

5. APPLICATION:

- 5.1 Preferably applied on site, as the relatively soft film will suffer transport damage.
- 5.2 **AIRLESS SPRAY:** Use as supplied with a 0,33mm to 0,38mm (0,013" to 0.015") orifice at an angle to suit the work piece.
- 5.3 **Air spray:** Thin 10% by volume.
- 5.4 **ROLLER:** Not recommended.

6. SURFACE PREPARATION:

STEEL: Abrasive blast clean to Sa 2 ½. Wet grit blasting may be used but should be followed by a light dry blast unless an inhibitor is added to the water. **GALVANISED:** Unsuitable. **OTHER SURFACES:** Degrease and remove all loose material.

7. PRECAUTIONS:

Do not apply directly to bare surfaces. Not suitable for application to surfaces which exceed 120 °C.

8. FLASH POINTS:

Non flammable.

8. LIMITATION:

- 8.1 Poor resistance to alkalis and solvents.
- 8.2 Not suitable at sustained temperature above 70 °C.
- 8.3 Maximum self-weathering period in coastal or industrial areas in one month.