

# SOLIDGUARD 50 ZP

Multi Purpose Zinc Phosphate Primer

Solidguard 50 ZP is a single pack (1k) quick drying, zinc phosphate, high build primer and topcoat.

## BENEFITS:



*Easy application and quick turnaround time.*



*Surface tolerant.*



*Universal corrosion protection primer.*



*Excellent adhesion to mild and galvanized steel.*



*Re-coatable with alkyds-, chlorinated rubber-, vinyl-, epoxy and two-component polyurethane coatings.*



*Excellent corrosion protection.*



*Chemical and heat resist.*

## CHARACTERISTICS

- Multi-purpose use on metal surfaces.
- Provides excellent adhesion and corrosion protection to mild steel.
- Used as a primer and maintenance coating with unlimited re-coatability with epoxy or polyurethane topcoats.
- Ideal for Ferrous and Non-Ferrous Metals.

## TECHNICAL DETAILS

Application	Roller, Brush or Spray
Finish	Satin
Profile	Smooth
Solids	68 %
Application Temp	5 - 30 °C
Theoretical Spread Rate	7.3 m <sup>2</sup> / L for 100 um 14.6 m <sup>2</sup> / L for 50 um
Recommended Dry Film Thickness	50 - 100 um
Surface Dry at 25 °C	30 min.
Over Coat (Over Coating Table)	Min 4 hrs Max unlimited
Mix Ratio	Single pack
Colour	Red Oxide, Green, Brown and Standard Colours
Thinners	Solidkote 503 PU Thinners
Shelf Life	12 months

## SUBSTRATE REQUIREMENTS

Surfaces to be coated must be clean and free of dust, oily residues and loose friable material. All steel surfaces to be abrasive blast cleaned to Sa 2<sup>1/2</sup>, blasting profile 30 - 75 um (ISO 8501-1:2007) or power tool cleaned to min. ISO-St 2. Shop primed steel to be pretreated to SPSS- Pt 3. Surface defects revealed by blasting, should be ground and filled with Solidkote 121 Epoxy Putty.

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## INSTRUCTIONS FOR USE

- Stir the product well before use.
- The temperature of the paint should be above 15 °C, otherwise extra thinner may be required to obtain application viscosity.
- Too much thinner will reduce resistance to sagging.
- Adequate ventilation must be maintained during application and curing.

## AIR SPRAY

- Thin the product as needed between 5 - 10% depending on the required thickness and application conditions.
- Thinner: Solidkote 503 PU Thinner.
- Nozzle Orifice: 1.7 - 2.0 mm.
- Nozzle Pressure: 0.2 - 0.3 MPa (± 2 - 3 bar, 29 - 44 psi).

## AIRLESS SPRAY

- Thin the product to between 0 - 3 % or as needed.
- Thinner: Solidkote 503 PU Thinner
- Nozzle Orifice: 0.38 - 0.48 mm
- Nozzle Pressure: 12 - 16 MPa (120 - 160 bar, 1740 - 2321 psi)

## BRUSH / ROLLER

Thin the product between 0 - 3 % as needed.  
Thinner: Solidkote 503 PU Thinner.

## CLEANING SOLVENT

Solidkote 503 PU Thinner.

## OVERCOATING TABLE

Surface should be dry and free any contamination.  
Solidguard 50 ZP at 75um.

Substrate Temperature	5 °C	15 °C	25 °C	35 °C
Min Interval (with itself)	8 hrs	6 hrs	4 hrs	2 hrs
Solidkote UVC	16 hrs	12 hrs	8 hrs	6 hrs
Solidguard 88	24 hrs	16 hrs	12 hrs	10 hrs
Max Interval	Unlimited			

## HEALTH AND SAFETY:

The system contains styrene and all appropriate PPE must be worn.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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