

SOLIDGUARD 75 EPZ

Chemical Resistant Zinc Phosphate Epoxy Steel Coating

Solidguard 75 EPZ is a long pot-life, rapid curing chemical resistant high solids zinc phosphate epoxy primer and topcoat.

BENEFITS:



Excellent adhesion to ferrous and non-ferrous metals.



Low temperature cure. Excellent heat resistance.



Extremely tough and crack resistant.



Excellent corrosion barrier



Ideal for protection of steel tanks, equipment bases, floors and drains against aggressive chemicals.



Quick turn-around time.

CHARACTERISTICS

- Provides excellent adhesion and corrosion protection to ferrous and non-ferrous metals.
- Can be used as a primer, intermediate or finish coat on metal.
- Has excellent recoat window for over-coating with epoxy or polyurethane topcoats.
- Ideal for tanks exposed to extreme conditions in the pulp and paper industry, sugar industry, mining industry, petroleum industry, Acid processing plants and tank farms.

TECHNICAL DETAILS

Application	Roller, Brush or Spray
Finish	Sheen
Profile	Smooth
Solids	75 %
Pot Life	2 hrs @ 25 °C
Application Temp	0 - 35 °C
Theoretical Spread Rate	6 m ² / L for 100 um 8 m ² / L for 80 um
Recommended Dry Film Thickness	80 - 100 um
Surface dry at 25 °C	4 hrs
Over Coat (Over Coating Table)	Min 6 hrs Max 7 days
Mix Ratio	1:4
Colour	Various standard colours
Thinners	Solidkote 505 Epoxy 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^{1/2}, 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.

Gauteng

35 Activia Rd, Activia Park, Germiston, 1610
Tel: +27 11 822 7242

info@technicalfinishes.com

Kwa-Zulu Natal

41 Circuit Rd, New Germany, 3610
Tel: +27 31 705 7733

Page 1 of 2

Western Cape

Cnr Gunners Circle & Fisher Ave, Epping 1, 7475
Tel: +27 21 535 4455

www.technicalfinishes.com

MIXING

- Materials are supplied as 2 components - Resin Part A and Activator Part B.
- Mix ratio is 1:4 by volume.
- Add components together and mechanically mix for 2 minutes.
- Use within 120 minutes.

AIRLESS SPRAY

- Thin the product to between 0 - 3 % or as needed.
- Thinner: Solidkote 505 Epoxy Thinner.
- Nozzle Orifice: 0.38 - 0.53 mm.
- Nozzle Pressure: 12 - 16 MPa (120 - 160 bar, 1740 - 2321 psi).

BRUSH/ROLLER

- Thin the product between 0 - 3% as needed.
- Use short mohair roller for best finish and build.
- Thinner: Solidkote 505 Epoxy Thinner.

CLEANING SOLVENT

Solidkote 505 Epoxy Thinner

OVERCOATING TABLE

Surface should be dry and free any contamination.
Solidguard 75 EPZ at 80 um.

Substrate Temperature	5°C	15°C	25°C	35°C
Min Interval (with itself)	12 hrs	10 hrs	6 hrs	4 hrs
Solidguard PUR	12 hrs	8 hrs	6 hrs	4 hrs
Max Interval	7 Days			

HEALTH AND SAFETY

The system contains strong solvents - there must be no open flames or smoking in the vicinity. All appropriate PPE must be worn.

Please read the Material Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OSHA 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.

Gauteng

35 Activia Rd, Activia Park, Germiston, 1610
Tel: +27 11 822 7242

info@technicalfinishes.com

Kwa-Zulu Natal

41 Circuit Rd, New Germany, 3610
Tel: +27 31 705 7733

Page 2 of 2

Western Cape

Cnr Gunners Circle & Fisher Ave, Epping 1, 7475
Tel: +27 21 535 4455

www.technicalfinishes.com