

SOLIDGUARD 88

Chemical Resistant Epoxy Steel Coating

Rapid curing chemical resistant high solids epoxy primer and topcoat. Provides excellent adhesion and corrosion protection to mild steel. Can be used as a primer, intermediate or finish coat on steel and has excellent recoat window for overcoating with epoxy or polyurethane topcoats.



TECHNICAL DETAILS

Application	Roller, Brush or Spray
Finish	Gloss
Profile	Smooth
Solids	70%
Application Temp	5-30°C
Theoretical Spread Rate	6 m ² / L for 100um 8 m ² / L for 80um
Recommended Dry Film Thickness	80 - 100 um
Surface dry @ 25°C	45 minutes
Overcoat (overcoating table)	Min 6 hrs Max 7 days
Mix Ratio	4:1
Colour	Please refer to colour chart
Thinners	Solidkote 505 Epoxy Thinner
Shelf Life	12 months

BENEFITS:



High chemical resistance



Extremely tough and crack resistant



*Excellent adhesion to steel.
Excellent corrosion barrier*



Low temperature cure



*Product colours may differ from the ones shown above. For a full colour chart or for samples contact your nearest Technical Finishes branch. UV exposure causes yellowing, most prominent in light colours.

APPLICATIONS

- Protection of steel tanks, equipment bases, floors and drains
- Tank farms & chemical storage tanks
- Priming of steel prior to applying ceramic tiles
- Paper Industry
- Sugar Industry
- Mining Industry
- Petroleum Industry

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 Sa2½, blasting profile 30-75um (ISO 8501-1:2007) or power tool cleaned to min. ISO-St2. Shop primed steel to be pretreated to SPSS-Pt3. Surface defects revealed by blasting, should be ground and filled with Solidkote 121 Epoxy Putty.

MIXING

Materials are supplied as 2 components. Epoxy Part A and Hardener Part B. Mix ratio is 4:1 by volume. Add components together and mechanically mix for 2 minutes. Use within 60 minutes.

APPLICATION

AIRLESS SPRAY

- Thin the product to between 0 - 3% or as needed.
- Thinner: Solidkote 505 Epoxy Thinner
- Nozzle Orifice: 0.38-0.53mm
- Nozzle Pressure: 12-16MPa (120-160bar, 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 of any contamination. Solidguard 88 at 80um.

Substrate Temperature	5°C	15°C	25°C	35°C
Min Interval (with itself)	12 hrs	10 hrs	6 hrs	4hrs
Solidkote UVC	16 hrs	12 hrs	8 hrs	6 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 consult Health and Safety Data sheets for each product.

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.