

SOLIDGUARD ZINC RICH

Chemical Resistant Zinc Rich Epoxy Steel Primer

High performance, high build, fast curing, chemical resistant, Zinc Rich epoxy primer for aggressive environments. Provides excellent adhesion and corrosion protection to mild steel surfaces in new construction and is an excellent maintenance primer in industrial and coastal atmospheres.



TECHNICAL DETAILS

Colour	Grey
Application	Brush / Roller / Spray
Finish	Matt
Components	2 Pack
Solids	66 ± 2 %
Density	1.7 kg / L (mixed)
Application Temp	2 - 30 °C
Temperature Resistance	120 °C, dry
Spread Rate	8 m ² / L at 75 um
Dry Film Thickness	75 – 130 microns per coat
Surface dry @ 25°C	1 hour
Overcoat	Min 3 hrs Max Unlimited
Mix Ratio	Mix as supplied
Pot Life	2 hours at 25 °C
Thinners	Solidkote 505 Epoxy Thinner
Shelf Life	24 months

PACKAGING

Solidguard Zinc Rich is supplied in 5 & 20 L kits.

BENEFITS:



High chemical resistance and anti-corrosion properties.



Excellent primer for epoxy and PU, tough and crack resistant.



Excellent adhesion to steel, cast iron, galvanized steel, GRP and stainless steel.



Quick drying and low temperature cure.

Resistant to temperatures up to 200 °C.



Complies with SSPC Paint 20 Type II Level 2.

Complies with ISO 12944. C5.



Contains ±80% Zinc in the dry film.

Gauteng

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APPLICATIONS

- Protection of steel tanks, equipment bases
- Pipes & drains
- Tank farms & chemical storage tanks
- Priming of steel prior to applying ceramic tiles
- Pulp & Paper Industry
- Sugar Industry
- Mining Industry
- Petroleum Industry
- Offshore structures
- Bridges & Power plants

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 - 75 um (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. Power mix the A-component first until a uniform consistency is achieved. Add B-component and mechanically mix for 2 minutes. Use within 120 minutes.

APPLICATION

AIRLESS SPRAY

- Thin the product to between 0 - 3% or as needed.
- Thinner: Solidkote 505 Epoxy Thinner
- Nozzle Orifice: 1.8 - 2.2 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.
- Solidkote 505 Epoxy Thinner

OVERCOATING TABLE

Surface should be dry and free of any contamination. Solidguard Zinc Rich at 75 um.

Substrate Temperature	5°C	15°C	25°C	35°C
Min Interval (with itself)	6 hrs	4 hrs	3 hrs	1 hr
Solidkote PUR	8 hrs	6 hrs	4 hrs	2 hr
Max Interval	Unlimited			

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 Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA 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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