

**FORMULATORS, MANUFACTURERS AND CONSULTANTS OF  
SPECIAL CONCRETE PRODUCTS**

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**ROCKBOND ZINC RICH STEEL PRIMER****DESCRIPTION:**

ROCKBOND ZINC RICH STEEL PRIMER (RB ZRSP) is a specially formulated, single pack, epoxy resin, zinc based primer for steel. When the primer is painted onto steel, a grey, matt, zinc rich, anti corrosion, galvanic coating is produced which protects steel against oxidation, corrosion and chemical attack. The resin is supplied in 8.5kg/5 litre packs and has a shelf life of 1 year.

**SPECIAL PROPERTIES:**

- \* One pack system: quickly and easily applied by brush, spray or roller.
- \* Low viscosity, low workability and free flowing.
- \* Quick drying, strong and bonds fast to steel and other metal surfaces.
- \* Impermeable, waterproof, weatherproof, durable and provides long term protection.
- \* Resistant to aqueous solutions, acids, oils and most organic solvents.
- \* Suitable and compatible for use with Rockbond Concrete Repair and Protection Products.
- \* High yielding, economical and safe to use.

**USES:**

- + Brush or spray apply to steel to protect steel, steel reinforcing, steel bars and rods against moisture, oxygen, chlorides and acid gas attack.
- + To chemically protect steel in chemically aggressive environments.
- + To protect steel against de-icing salts and steel situated in marine locations.
- + For treating steel reinforced concrete located in dairies, chemical works, tunnels and sewers.
- + To protect steel structures, beams, tanks, plates and pipes from chemical attack and corrosion.
- + For use on steel reinforced concrete, concrete repairs and in new construction.
- + To repair and protect new steel, or damaged galvanised steel surfaces.
- + To bond wet and cast cementitious mortars, grouts, floor screeds and concrete to steel.

**MIXING INSTRUCTIONS:**

ROCKBOND ZINC RICH STEEL PRIMER is a single pack system, requires no mixing and is ready to use. However, if necessary, stir and agitate the material to produce a homogeneous primer prior to painting.

**APPLICATION PROCEDURE:**

Remove all traces of contamination from bonding surfaces. Heavy scale, loose rust, grease and oil must be removed from metal surfaces. Grit blast badly corroded steel surfaces to produce a bright textured finish. Avoid over polishing metal surfaces if cleaning with the use of power tools. Pressure wash away with clean water any salts or corrosion, dirt and debris to produce a clean steel surface. Blow away any standing water and produce a dry steel surface for primer application.

Use a brush to stipple and spread the primer at the rate of approximately 10m<sup>2</sup>/litre. Make sure the primer is applied completely and evenly over the steel surface to be protected, and that the material is also applied behind the steel. Work the primer well onto and into the steel surface.

## ROCKBOND ZINC RICH STEEL PRIMER (RB ZRSP).

### APPLICATION PROCEDURE CONTINUED...

**The spread rate for a one coat application to steel is 10m<sup>2</sup>/litre.**

For heavy duty protection in particularly chemically aggressive and abrasive environments, apply a second coat to the first coat when the first coat is touch dry, which is normally about 2 hours at 20°C.

Apply the appropriate Rockbond Repair Product soon after the steel primer has been installed.

Do not use when rain is forecast and at temperatures below 5°C, or when the relative humidity exceeds 80%.

### HEALTH, SAFETY AND STORAGE:

Wear goggles, gloves and protective clothing while mixing, handling and applying the primer. Only apply in ambient conditions of good ventilation which should be maintained throughout the drying period. Beware the Primer is flammable. Keep away from naked flames. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

### TECHNICAL DATA:

TYPICAL DATA at 20°C

CONSISTENCY:	Flowing
CONSISTENCY LIFE:	1 hour
DRYING TIME:	2 hours
DENSITY:	1500kg/m <sup>3</sup>
DRY FILM COATING AT 10m <sup>2</sup> /litre:	30 microns

### FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

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### IMPORTANT NOTE:

ROCKBOND SCP LTD provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liability can be accepted for any damage or loss arising from the use of ROCKBOND SCP LTD literature or its products, because the company has no continuous control on how the products are mixed, placed or cured.

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