

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

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**Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk) Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)**ROCKBOND EPOXY STEEL PRIMERDESCRIPTION:

ROCKBOND EPOXY STEEL PRIMER (RB ESP) is a specially formulated two part, solvent based, epoxy steel primer system which consists a hardener and a base resin. When the hardener is mixed with the base component, a free flowing epoxy coating is produced which hardens and protects steel against corrosion and chemical attack. The resin is supplied in 1.2kg/1 litre two part packs and has a shelf life of 1 year.

SPECIAL PROPERTIES:

- \* Pre batched, pre packed and ready to use.
- \* Quickly and easily mixed and applied by brush, broom or roller.
- \* Low viscosity, high workability and free flowing.
- \* Quick drying, strong and bonds fast to steel and other metal surfaces.
- \* Impermeable, durable and provides long term protection.
- \* Can be used to bond wet or cured concrete to steel and other construction materials.
- \* Resistant to chemicals, aqueous solutions, acids, oils and organic solvents.

USES:

- + Brush or spray applied to steel reinforcing to protect steel against corrosion, chemicals, chloride attack, moisture, oxygen and acid gases.
- + To chemically protect steel in chemically aggressive environments.
- + To protect steel against de-icing salts and in marine locations.
- + For reinforced concrete in dairies, abattoirs, chemical works, tunnels and sewers.
- + For use on concrete, concrete repairs and in new construction.
- + Protective coating to new or freshly prepared steel, steel reinforcing and steel structures.
- + To bond wet cementitious mortars, grouts, floor screeds and concrete to steel.

MIXING INSTRUCTIONS:

Mix the ROCKBOND EPOXY STEEL PRIMER hardener with the base component using a suitable container, a pneumatic or electric power tool, and a ROCKBOND SMALL RESIN STIRRER (RB SRS). A slow mixing action is required.

Add all the contents of the hardener to the resin base.  
Thoroughly mix until homogeneous.  
The epoxy bonding agent is now ready for use.

APPLICATION PROCEDURE:

Remove all traces of contamination from bonding surfaces. Heavy scale and loose rust must be removed from metal surfaces. Vacuum clean or blow away all dust and debris.

Make sure the primer is applied completely and evenly over the steel surface to be protected.

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

ROCKBOND EPOXY STEEL PRIMER (RB ESP),

APPLICATION PROCEDURE CONTINUED...

The primer becomes touch dry at 15 minutes at 20°C, and will be sufficiently hard to resist sprayed materials at approximately 2 hours.

In situations where there is a high degree of chemical attack, apply a second coat at the same rate as the first.

HEALTH, SAFETY AND STORAGE:

Wear goggles, gloves and protective clothing while mixing, handling and applying the material. 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 at 0°C to 10°C 30 minutes at 10°C to 20°C
DENSITY:	1150kg/m <sup>3</sup>
MINIMUM COMPRESSIVE STRENGTH	50MPa

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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