

# ROCKBOND SCP LTD

## FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

Newton's Farm Estate, Wissington, Nayland, Suffolk.CO6 4LX, England

Telephone: 01206 2651126 Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk)

[www.rockbond.co.uk](http://www.rockbond.co.uk)

### ROCKBOND STEEL PRIMER

#### DESCRIPTION:

ROCKBOND STEEL PRIMER (RB SP) is a pre-mixed, ready to use, acrylic modified cementitious powder used to protect steel and steel reinforcing. The system contains a unique blend of fine Portland and microsilica cements, an elastomeric acrylic co-polymer resin powder and a union of compatible admixtures. The powder also contains powerful corrosion inhibitors. The compound, when mixed with water and painted onto steel reinforcing produces an elastic alkaline coating which will protect the steel against corrosion and chemical attack. The powder is packaged in 1.25kg and 25kg durable, moisture proof packs and has a shelf life of 5 years.

#### SPECIAL PROPERTIES:

- \* Specially formulated for the protection and pacification of steel surfaces and steel reinforcing.
- \* Excellent for use as a primer, a bonding aid, and a protective coating to concrete.
- \* Quick and simple to mix and apply: thixotropic and non drip.
- \* Portland cement based, acrylic resin polymer modified and microsilica enhanced.
- \* Provides an elastic alkaline protective coating to both steel and concrete.
- \* Strong bond strength to steel and concrete, and the hardened coating is weatherproof, waterproof and impermeable.
- \* Contains the latest steel anti-corrosion technology: the corrosion inhibitors will migrate to corroded steel, re-passify and protect.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

#### USES:

- + Brush or spray applied to steel reinforcing to protect steel against chloride attack, moisture, oxygen, carbon dioxide and acid gases.
- + To chemically passify steel in chemically aggressive environments.
- + To protect steel against de-icing salts, and for use in marine locations.
- + For reinforced concrete in chemical and fertiliser plants, farms, food factories, dairies, abattoirs, tunnels and sewers.
- + For use on concrete, concrete structures, concrete repairs and in new construction.
- + To bond concrete to wet concrete, precast concrete, mortar, brick, stone, masonry, steel, wood, plastic and glass.
- + An ideal alternative to zinc rich primers or resinous coating systems.

#### MIXING INSTRUCTIONS:

ROCKBOND STEEL PRIMER powder is mixed with water using a suitable mixer and stirrer:

Add 500ml of water to the container or mixer.  
Pour 1.25kg of powder onto the water while mixing.  
After all the powder has been added, mix until homogeneous.  
The steel primer is now ready for use.

Alternatively, small amounts of the Steel Primer can be prepared by slowly adding the powder to a quantity of water in a suitable container and mixing to give the appropriate consistency, not too stiff not too wet.

## ROCKBOND STEEL PRIMER (RB SP) CONTINUED...

### APPLICATION PROCEDURE:

Remove all loose rust, scale and corrosion products on the steel surface by abrasive blasting or by wire brushing. Severely corroded reinforcement should be cut back and replaced. The steel should be free from oil, dust, diesel, loose material or other surface contaminants. A shiny surface to the steel is not essential.

Mix and apply one coat of ROCKBOND STEEL PRIMER completely and evenly onto the steel or concrete surface to give a cover of not more than 1mm.

**The spread rate for a one coat application is 1m<sup>2</sup>/litre.**

### HEALTH, SAFETY AND STORAGE:

ROCKBOND STEEL PRIMER powder is non toxic and safe to use. However, use the same precautions as with any cementitious product: wear goggles, protective clothing and a dust mask while mixing and applying the material. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

### TECHNICAL DATA:

TYPICAL DATA at 40% water/powder ratio (500ml/1.25kg powder) at 20°C

CONSISTENCY:	Thixotropic
CONSISTENCY LIFE:	30 minutes
YIELD:	1.25kg of powder yields 1 litre of Rockbond Steel Primer.
SPREAD RATE:	1.25kg of powder treats 1m <sup>2</sup> of steel surface at 1mm cover.

### 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:

Gilbert Cox BSc,  
Technical Director,

Rockbond SCP Ltd.,  
Newton's Farm Estate,  
Wissington, Nayland,  
Suffolk, CO6 4LX,  
England.

Telephone: 01206 265116,  
Facsimile: 01206 265117,

Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk)  
Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)

<https://rockbond.co.uk/products/rockbond-steel-primer-rb-sp/>

### 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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