

TECHNICAL DATA SHEET

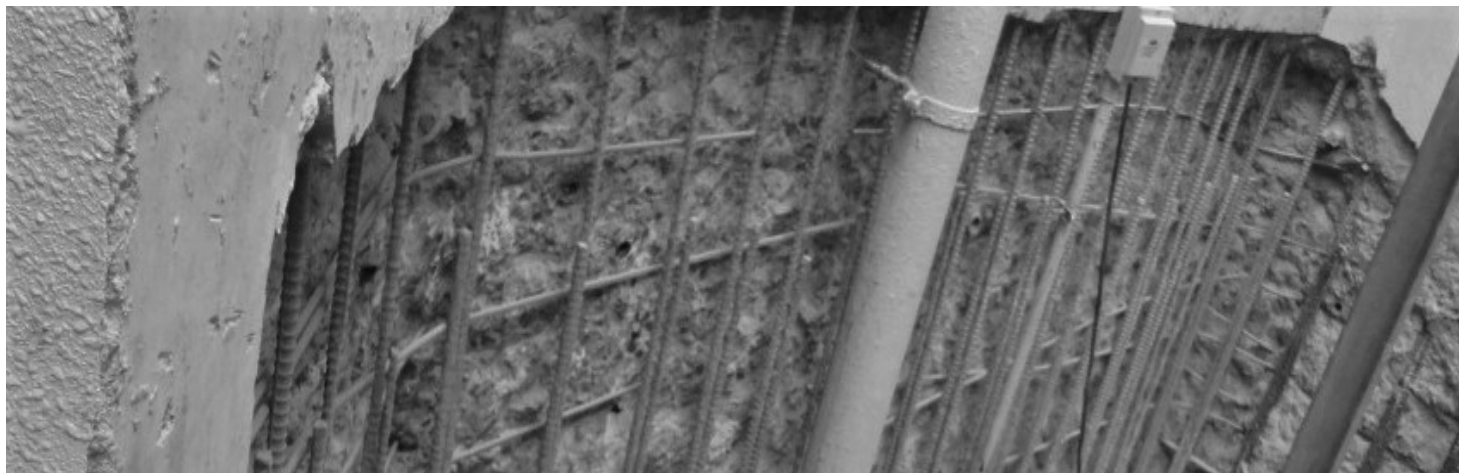
PRIMER FOR STEEL

Anti-corrosion protection for steel

DESCRIPTION

Rockbond Primer for Steel (RB 1.00) is a pre-mixed, ready to use, polymer modified powder used to protect steel reinforcing. The system contains a unique blend of fine Portland cements, silica fume, a co-polymer powder and a union of compatible admixtures. The powder also contains powerful corrosion inhibitors. The material, 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 4kg and 20kg plastic buckets and has a shelf life of 2 years.





SPECIAL PROPERTIES

- Specially formulated for the protection of steel reinforcement in concrete.
- Adherence to concrete and steel.
- Quick and simple to mix and apply.
- Portland cement based, polymer modified and microsilica enhanced.
- Provides an elastic alkaline protective coating to steelwork.
- The coating bonds fast to steel and is impermeable.
- Contains the latest anti-corrosion technology – the corrosion inhibitors will migrate to corroded steel, re-passify and protect.
- Compatible with all repair Rockbond products
- Contains no chlorides, ferrous metal or other deleterious substances.
- Economical, non-toxic, user friendly and safe to use.
- Designed to EN 1504-7

USES

- Brush or spray applied onto steel reinforcing to protect the steel against chlorides, moisture, oxygen and acid gases.
- To chemically passify steel in chemically aggressive environments.
- To protect steel against de-icing salts and in marine locations.
- For reinforced concrete repairs and in new construction.
- For use in concrete repairs and in new construction.
- Protective coating to new or freshly prepared steelwork.
- Ideal alternative to zinc rich primers or resin coating systems.
- Suitable as a bonding primer within a concrete repair system.

MIXING INSTRUCTIONS & APPLICATION

Rockbond Primer for Steel (RB 1.00) powder is mixed with water using a suitable container, a small electric drill, and a ribbon mixer.

- Add 500ml of water to the containers
- Pour 1.25 kg of powder on to the water while mixing
- After all the powder has been added, mix until homogenous
- The Primer is now ready for use.

Alternatively, small amounts of the material can be prepared by slowly adding the powder to a quantity of water and mixing to required consistency.

Remove all rust, scale and corrosion products on the steel surface by abrasive blasting or by wire brushing.

The steel should be free from oil, dust, diesel, loose material or any other surface contaminants.

Mix and paint Primer for Steel (RB 1.00) completely and evenly onto the steel surface to give a cover of not more than 1 mm.

HEALTH AND SAFETY

Primer for Steel (RB 1.00) is non toxic and safe to use. However, use the same precautions as with any cementitious products, wear goggles, protective clothing and a dust mask while mixing and applying the material.

TECHNICAL DATA

TYPICAL DATA for PRIMER FOR STEEL (RB 1.00) at 20°C.

CONSISTENCY:	Thixotropic
CONSISTENCY LIFE:	30 Minutes at 20C
SPREAD RATE:	1.25kg powder treat 1 m2 of steel at 1mm cover
YIELD:	4kg punnet treats 3.2 m2 of steel surface at 1mm cover.

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales Team: +64 4 568 5401