

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

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Email: info@rockbond.co.uk Website: www.rockbond.co.uk**ROCKBOND RESINTOP PRIMER****DESCRIPTION:**

ROCKBOND RESINTOP PRIMER (RB RTP) is a specially formulated two part, water based, epoxy resin system which consists of a hardener and a base and is filler free. When the hardener is mixed with the base component, a free flowing epoxy grout is produced which quickly hardens to produce a clear, impermeable, strong bonding, high strength material. The compound is used to bond construction materials to concrete and steel, and to seal, waterproof and protect concrete and brick. The resin is supplied in 2.1kg/2.25 litre or 4.2kg/4.5 litre packs and has a shelf life of 2 years.

SPECIAL PROPERTIES:

- * Pre batched, pre packed and ready to use.
- * Water based: does not contain phenolic accelerators, and is solvent free.
- * Quickly and easily mixed and applied by spray, roller, brush or broom.
- * Low viscosity, low workability, free flowing and runny.
- * Develops a high early adhesive strength, and can be used at temperatures as low as 5°C.
- * Forms a strong permanent bond to concrete, steel, wood and most construction materials.
- * Impermeable and waterproof: resistant to aqueous solutions, acids, oils and organic solvents.
- * Water "soluble" - materials and equipment can be washed and cleaned with water.
- * High yielding, economical, non toxic, odour free, user friendly and safe to use.

USES:

- + To bond wet concrete to precast concrete, steel, bitumen and other construction materials.
- + To produce a high strength, permanent, waterproof bond to concrete and steel.
- + To bond precast concrete, stone, bricks, blocks and wood to concrete and steel.
- + For use as a general purpose adhesive during building and construction.
- + To fill, seal and protect cracked and porous cementitious surfaces, concrete, stone and brick.
- + To install wearing surfaces to weak and friable concrete floors, paths and roadways.
- + To waterproof and protect concrete and brick surfaces against frost, aqueous solutions, acids, and chemical attack.
- + To bond and produce decorative aggregate finishes to masonry, concrete paths and drives.

MIXING INSTRUCTIONS:

Slowly mix the ROCKBOND RESINTOP base with the hardener using a suitable container, an electric power tool and a ROCKBOND SMALL RESIN STIRRER (RB SRS). Small amounts can be mixed using a spatula.

Add all the contents of the base to the hardener.
(Mix 1 part base to 2 parts hardener by weight).
Thoroughly mix until homogeneous.
The primer is now ready for use.

APPLICATION PROCEDURE:

For use as an adhesive: remove all traces of contamination from bonding surfaces. Heavy scale and loose rust must be removed from metal surfaces. If appropriate, abrade the substrate to produce a rough texture. Vacuum clean or blow away all dust and debris.

ROCKBOND RESINTOP PRIMER (RB RTP), APPLICATION PROCEDURE CONTINUED...

Mix the base with the hardener component, and use a brush or soft broom to spread the adhesive at the rate of approximately 4.5m²/litre on concrete, brick and stone, and 5m²/litre on steel. However, the spread rate will depend on the texture and the porosity of the bonding surface to be covered. Make sure the adhesive is applied completely and evenly over the surface to be bonded. At 2 to 3 hours, depending on conditions, apply a second coat when the first coat is tacky or touch dry.

The spread rate for a two coat application to concrete is 2.25m²/litre.

The spread rate for a two coat application to steel is 2.5m²/litre.

At about 2 to 3 hours, depending on conditions, while the second coat of the bonding agent is still tacky, or touch dry, bring the two bonding surfaces into contact. If possible, hold or clamp the surfaces together. Ensure good and continuous contact between bonding elements until the epoxy has set. 100% contact is 100% bond.

To seal cementitious, concrete and brick surfaces: use a stiff broom to remove any loose dust, debris and salts from the substrate surface. Mix and apply one coat of the resin to the surface by roller or brush. Apply at the rate of 4.5m²/litre. When the resin is tacky, between 2 to 3 hours depending on conditions, or touch dry, apply a second coat of resin at the same rate, and at right angles to 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
TACKY	Approximately 2 to 3 hours at 20°C
TOUCH DRY:	Approximately 5 hours at 20°C

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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