

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF
SPECIAL CONCRETE PRODUCTS

Newton's Farm Estate, Wissington, Nayland, Suffolk, C06 4LX England

Telephone: 01206 265116 Fax: 01206 265117

Website and e-mail at: www.rockbond.co.uk

ROCKBOND RENDER COAT

DESCRIPTION:

ROCKBOND RENDER COAT (RB RDC) is a 2 part protective, flexible coating system, consisting of a cementitious powder and acrylic polymer latex. ROCKBOND RENDER COAT GREY DRY PACK (RB RDCG DP) is a blend of special cement powders, graded sands and a collection of admixtures, and when mixed with the ROCKBOND PURE ACRYLIC LATEX (RB PAL), a grey render is produced that is easily applied by trowel or spray. The hardened material is highly adhesive, resilient, waterproof and durable, and provides a protective and attractive coating to brick and concrete. The render is supplied in 20kg packs, and has a shelf life of 1 year.

SPECIAL PROPERTIES:

- * Available in white, and also in a range of attractive colours.
- * The render is quickly and easily mixed, worked and placed.
- * The coating is extremely adhesive and resilient.
- * Non shrink, non cracking and shrinkage compensated.
- * Can be placed in sections of 25mm to a feather edge.
- * Weatherproof, waterproof and microporous.
- * Durable to frost and freeze/thaw cycles.
- * Will readily accept a dry dash pebble finish with minimal rebound.
- * Water soluble - tools and equipment are quickly and easily washed.
- * Economical, non flammable, non toxic, user friendly and safe to use.

USES:

- + To render cement, concrete, brickwork, blockwork, masonry and stone.
- + To repair and protect weak or damaged concrete, brick and stone surfaces.
- + To produce waterproof and durable coatings to external walls of offices, factories, warehouses and buildings.
- + For use as an anti-carbonation coating to cement and concrete.
- + To produce attractive and ascetically pleasing finishes to houses, buildings and concrete structures.

MIXING INSTRUCTIONS:

ROCKBOND RENDER COAT (RB RDC) is mixed using a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC), a pneumatic or electric power tool (1kW), and a ROCKBOND STIRRER (RB S). Use a ROCKBOND FORCED ACTION PAN MIXER (RB FAPM) to mix larger amounts of material. A slow mixing action is recommended.

Pour the dry pack onto the latex
(Latex/powder ratio: 14%).
Gently mix for 1 minute.
The Render Coat is now ready for use.

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

ROCKBOND RENDER COAT (RB RDC) CONTINUED...

APPLICATION PROCEDURE:

Careful and proper preparation of the brick or concrete substrate is essential if a successful render is to be placed. Thoroughly and completely abrade the surface where necessary to produce a sound substrate with a good mechanical key. All traces of contamination must be removed. Brush or blow any dust or debris.

On weak, friable or porous substrates, use the ROCKBOND PRIMER LATEX (RB PL) to penetrate, consolidate, strengthen and seal the surface. With a brush or a soft broom, brush the latex completely and evenly over the surface. Work the latex well into the substrate. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the perimeter of the area to be covered. Let the latex dry out, usually 15 to 20 minutes depending on conditions.

If the substrate requires a primer, or to enhance the bond, apply a second coat of latex to the first coat. Normally, 1 litre of ROCKBOND PRIMER LATEX (RB PL) will treat 5m² of substrate surface with 2 coats of latex.

Mix the ROCKBOND RENDER COAT DRY PACK (RB RDC DP) with the ROCKBOND PURE ACRYLIC LATEX (RB PAL). The material can be applied by trowel, steel float or spray. Using a steel float, apply a 2.5mm cover to brick or concrete. Spread the render completely and evenly over the substrate. Work the material well into the surface to ensure intimate contact between the substrate and the render.

After a few hours, when the first coat is sufficiently strong, apply a second 2.5mm coat. Use a hand held spray containing the ROCKBOND PURE ACRYLIC LATEX (RB PAL) to produce a smooth and attractive finish.

If the coating is sprayed, two coats can be applied in one operation. Spray "wet on wet": coat the brick or concrete with a 2.5mm layer, and allow the material to gel and stiffen. After a few minutes, return and apply a second 2.5mm coat. Use the spray or steel trowel to produce an attractive finish.

The spread rate for a 2 coat application is 5 litres/m²

If a pebble dash finish is required: wait until the render coat is sufficiently stiff to hold the aggregate without slumping.

After the render has set, at 1 to 2 hours depending on the conditions, apply a coat of ROCKBOND PRIMER LATEX (RB PL) to seal the surface and produce an attractive finish.

HEALTH AND SAFETY:

ROCKBOND RENDER COAT DRY PACK (RB RDC DP) 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.

ROCKBOND PURE ACRYLIC LATEX (RB PAL) is non toxic and safe to use. However, if splashes enter the eyes, the latex must be immediately washed out with plenty of clean running water. Continue the treatment for several minutes with the eyelids kept open. If the latex is ingested, give the patient plenty of water to drink.

ROCKBOND RENDER COAT (RB RDC) CONTINUED...

TECHNICAL DATA:

TYPICAL DATA at 14% latex/powder ratio at 20°C

CONSISTENCY: Good mortar consistency
CONSISTENCY LIFE: 45 minutes

DENSITY: 1800kg/m³

MINIMUM COMPRESSIVE STRENGTH:

7	28	Days
2	3	MPa

YIELD: 1 x 20kg pack yields 12.50 litres of render coat.
1 x 20kg pack treats 2.5m² of substrate surface at 5mm 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.,
Newtons Farm Estate,
Wissington,
Nayland,
Suffolk,
CO6 4LX.
England.

Telephone: 01206 265116
Facsimile: 01206 265117

Website and e-mail at:
www.rockbond.co.uk

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.

JANUARY 2008