

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

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Email: info@rockbond.co.uk Website: www.rockbond.co.ukROCKBOND RENDER COATDESCRIPTION:

ROCKBOND RENDER COAT LIGHT GREY (RB RDC LG) is a two part protective, flexible coating system consisting of a cementitious powder and an acrylic polymer latex. ROCKBOND RENDER COAT LIGHT GREY DRY PACK (RB RDC LGDP) 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 light 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 4kg/2.5 litre or 20kg/12.5 litre packs and has a shelf life of 2 years.

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, non crazing, non curling and shrinkage compensated.
- * Can be placed in sections of 25mm to a feather edge.
- * Weatherproof, waterproof, damp proof and microporous.
- * Resistant to acid gasses, carbonation, 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.
- * High yielding, economical, non flammable, non toxic, odour free, 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 aesthetically pleasing finishes to houses, buildings and concrete structures.

MIXING INSTRUCTIONS:

ROCKBOND RENDER COAT LIGHT GREY DRY PACK is mixed with the PURE ACRYLIC LATEX using a ROCKBOND CONCRETE STIRRER (RB CS), an electric power tool (1kW) and a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC). Use a ROCKBOND FORCED ACTION PAN MIXER (RB FAPM) to mix larger amounts of material. A slow mixing action is required.

Pour the dry pack onto the latex. (The latex/powder ratio by weight is 16%)
Gently mix for 1 minute until homogeneous.
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 in a container 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.

To prime the substrate and to enhance the bond, apply a second coat of the latex to the first coat. Normally, 1 litre of the ROCKBOND PRIMER LATEX will treat 5m² of concrete surface with a two coat application. Substrate surfaces without the use of the Primer Latex should be wet.

Mix the ROCKBOND RENDER COAT LIGHT GREY DRY PACK with the ROCKBOND PURE ACRYLIC LATEX at 16% latex content, equivalent to 10kg of dry pack to 1.6 litres of latex.

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 PRIMER LATEX 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 to seal the surface and produce an attractive finish.

HEALTH, SAFETY AND STORAGE:

ROCKBOND RENDER COAT LIGHT GREY DRY PACK 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.

ROCKBOND PURE ACRYLIC LATEX 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. Consult the MSDS for further details. Store in a cool, dry, dark place.

ROCKBOND RENDER COAT (RB RDC) CONTINUED...

TECHNICAL DATA:

TYPICAL DATA at 16% latex/powder ratio at 20°C

CONSISTENCY: Good mortar consistency
CONSISTENCY LIFE: 30 minutes

DENSITY: 1750kg/m³

MINIMUM COMPRESSIVE STRENGTH:

7	28	Days
2	3	MPa

YIELD: 1 x 4kg pack yields 2.50 litres of render coat.
1 x 4kg pack treats 0.5m² of substrate surface at 5mm cover.

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:

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IMPORTANT NOTE:

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