

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

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Email: info@rockbond.co.uk Website: www.rockbond.co.ukROCKBOND FLEXIBLE LATEXDESCRIPTION:

ROCKBOND FLEXIBLE LATEX (RB FL) is a dispersion of flexible acrylic co polymer resin particles in water. When the liquid is mixed with cementitious materials, a flexible concrete, mortar or render is produced. Furthermore, the latex increases the adhesive strength, impermeability and the chemical resistance of the hardened material. The latex is ready to use, is supplied to order and has a shelf life of 2 years.

SPECIAL PROPERTIES:

- * Formulated for use with site batched materials.
- * Produces site batched repair materials, concrete, renders and screeds that are flexible.
- * Can be used as a primer for concrete: mix 1 part latex to 3 parts water.
- * Improves the adhesion of repair materials to brick, stone, render and concrete.
- * Produces cementitious materials that are impermeable, waterproof and chemically resistant.
- * Water based: mixing equipment and tools are easily washed and cleaned with water.
- * High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + To produce Anti-carbonation Protective, Flexible Coatings (APFC) to cement and concrete.
- + To produce site batched, flexible concrete, grouts, mortars, screeds and renders.
- + Elastic requirements during cold weather or low temperature situations.
- + Whenever stress, thermal or moisture movement is a problem at a crack, in a joint or within a brick or concrete structure.
- + The filling, sealing and waterproofing of moving cracks, joints, gaps and seals.
- + To produce cementitious flexible adhesives to bond concrete, tiles, bricks and blocks to concrete, steel, glass, wood and other construction materials.
- + To prime concrete and brick substrates to increase the bond strength of repair materials.
- + Tanking, roofing, damp proofing, weatherproofing and waterproofing applications.
- * To protect concrete against frost attack, salt, carbonation, sulphation and acid gases.

MIXING INSTRUCTIONS:

ROCKBOND FLEXIBLE LATEX is mixed with the cement, sand and aggregate using a ROCKBOND CONCRETE STIRRER (RB CS), a pneumatic or 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 the material. The dosage rate of the latex is 100% by weight of cement in the mix: 100kg/100 litres of latex per 100kg cement powder.

Add only the latex to the container or mixer. (Do not dilute the latex with water).

Add the cement and sand, or the cement, sand and aggregate.

Gently mix until homogeneous.

The mortar, render or concrete is now ready for use.

If necessary, trial mixes should be carried out using the latex with site batched materials to determine the consistency and flexibility of the mixed mortar, render or concrete.

ROCKBOND PURE FLEXIBLE LATEX (RB FL) CONTINUED...

APPLICATION PROCEDURE:

For the use of the Flexible Latex in concrete repair: 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. Vacuum clean or blow away all dust and debris.

On weak, friable or porous substrates, use 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, and pay particular attention to the edges of the repair. 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.

To maximise the contact of the repair material to the concrete, use a gloved hand to form a contact coat: rub the material completely over and well into the concrete substrate (100% contact is 100% bond). **Rub it in!** Add further quantities of the material and tamper, agitate or vibrate the repair material to ensure complete compaction and to eliminate voids. Bring the level of the material up to the profile of the surrounding concrete.

HEALTH, SAFETY AND STORAGE:

ROCKBOND FLEXIBLE 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. If the latex is ingested, give the patient plenty of water to drink. Wear goggles, a mask and protective clothing while handling, spraying and applying the material. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

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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