

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

Newton's Farm Estate, Wissington, Nayland, Suffolk.CO6 4LX, England
Telephone: 01206 265116 Facsimile: 01206 265117

Email: info@rockbond.co.uk Website: www.rockbond.co.uk

ROCKBOND PURE ACRYLIC LATEX**DESCRIPTION:**

ROCKBOND PURE ACRYLIC LATEX (RB PAL) is a specially formulated, pure acrylic polymer resin dispersed in water and combined with water reducing agents and admixtures. The latex, when added to the mix water, produces a hard polymer film, and improves the properties of hardened cementitious materials in general, and concrete repair and flooring materials in particular. The latex is ready to use, supplied to order and has a shelf life of two years.

SPECIAL PROPERTIES:

- * Can be used as a sealer, primer and bond aid for concrete and other construction materials. (dilute the PAL concentrate: 1 part by weight of latex to 3 parts by weight of water).
- * Formulated for use with site batched materials.
- * Improves the adhesion of cementitious repair materials to brick, stone, render and concrete.
- * Increases the flexural and tensile strengths of mortars and concrete.
- * Wear resistant, reduces the permeability and chemical attack of cementitious materials and enhances durability.
- * Waterproof and permanent: will not break down or re-emulsify.
- * Water based - mixing equipment and tools easily washed and cleaned with water.
- * High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + To improve the performance of site batched cementitious materials.
- + For use in floor screeds and repair materials for floors and concrete.
- + For use in mortars for the laying and pointing of bricks and blocks.
- + For high strength or increased flexural and tensile strength applications.
- + For use in cementitious screeds and concrete placed in chemically aggressive environments.
- + Weatherproofing and waterproofing applications, and to prevent frost attack.
- + To penetrate, consolidate, strengthen and seal brick, stone, masonry and concrete substrates.
- + For use as a sealer, primer and bond aid to bond cementitious materials to other construction materials such as render, mortar, masonry, brick, stone, wood, plastic, glass and steel.

MIXING INSTRUCTIONS:

ROCKBOND PURE ACRYLIC LATEX is mixed with cement and sand, or 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 material. The dosage rate of the latex is 5% by weight of cement in the mix, 5kg/5 litres of latex per 100kg of cement:

Add the appropriate quantity of water and latex to the container or mixer.
Add the cement and sand, or the cement, sand and aggregate.
Mix until homogeneous.
The mortar or concrete is now ready for use.

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

ROCKBOND PURE ACRYLIC LATEX (RB PAL) CONTINUED...

APPLICATION PROCEDURE:

For the use of the pure acrylic latex for 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. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the repair area. Brush out any puddles, and let the latex dry out, usually 15 to 30 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. (Or use 1 part PAL concentrate diluted to 3 parts by weight with water).

To maximise the contact and the bond of the repair materials to the concrete, use a gloved hand to form a contact coat: RUB the material completely over and well into the concrete substrate. RUB IT IN! 100% contact is 1000% bond. 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.

Once the material is in place and has gained sufficient strength, apply ROCKBOND CURE (RB C) at the rate of 10m²/litre. During adverse curing conditions, repeat the procedure.

HEALTH, SAFETY AND STORAGE:

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. 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:

Gilbert Cox BSc,
Technical Director,

Rockbond SCP Ltd.,
Newton's Farm Estate,
Wissington, Nayland,
Suffolk, CO6 4LX, England.

Telephone: 01206 265116,
Facsimile: 01206 265117,
Email: info@rockbond.co.uk
Website: www.rockbond.co.uk

IMPORTANT NOTE:

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