

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

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Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk) Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)ROCKBOND FLEXIBLE (APFC) PAINTDESCRIPTION:

ROCKBOND FLEXIBLE (APFC) PAINT (RB FPA) is a two part, elastomeric system consisting of a cementitious dry pack and flexible acrylic latex. The dry pack, ROCKBOND FLEXIBLE PAINT DRY PACK (RB FPA DP), is a mixture of a unique blend of cement powders, fillers and admixtures. When the powder is mixed with the latex, ROCKBOND FLEXIBLE LATEX (RB FL), a grey paint is produced which is extremely adhesive, flexible and waterproof. The material is an Anti-carbonation, Protective, Flexible Coating to concrete and cementitious materials. The paint is ready to use, is supplied in 2kg/1.5 litre or 10kg/7.5 litre packs and has a shelf life of two years.

SPECIAL PROPERTIES:

- \* Available in white, and in a range of attractive colours.
- \* Can be used on all construction materials.
- \* Thixotropic, and will not slump, run or drip.
- \* Quickly and easily mixed and applied by brush, broom, roller or spray.
- \* Extremely adhesive, flexible and waterproof.
- \* Resilient and durable: will not crack or debond, and resistant to ultraviolet light.
- \* Permanent protective paint for concrete, steel, stone, brick, mortar, render and wood.
- \* Water "soluble" - equipment is quickly and easily washed and cleaned with water.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + To prevent carbonation and sulphation in cement and concrete.
- + Waterproofing applications, and for the installation of damp proof courses.
- + For use as an adhesive: to bond construction materials to steel and concrete.
- + The filling, sealing and waterproofing of cracks, joints, gaps and seals.
- + To protect structures from weather and weathering.
- + To protect reinforced concrete against freeze/thaw cycles, de-icing salts, deleterious aqueous solutions, acid gases and corrosion.
- + Elastic requirements during cold weather or low temperature situations.
- + To produce aesthetically pleasing and coloured finishes to repairs, buildings and concrete structures.

MIXING INSTRUCTIONS:

ROCKBOND FLEXIBLE (APFC) PAINT dry pack is mixed with the ROCKBOND FLEXIBLE LATEX using a ROCKBOND CONCRETE STIRRER (RB CS), a pneumatic or electric power tool (1kW) and a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC):

Pour the cementitious dry pack onto the flexible latex while mixing.  
(The latex to powder ratio by weight is 1:1). Mix gently for 1 minute.  
ROCKBOND FLEXIBLE (APFC) PAINT is now ready for use.

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

## ROCKBOND FLEXIBLE (APFC) PAINT (RB FPA) CONTINUED...

### APPLICATION PROCEDURE:

Good surface preparation is an essential part of any painting application. All substrates should be mechanically sound and thoroughly clean.

On heavily contaminated concrete and other surfaces, any dust, dirt, oil grease and organic growth must be mechanically removed until a good, sound, strong substrate is obtained. Vacuum clean or blow away all dust and 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 repair area. 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 the ROCKBOND PRIMER LATEX will treat 5m<sup>2</sup> of concrete surface with a two coat application.

Use ROCKBOND FASTROCK MORTAR (RB FRM) to repair and smooth any necessary areas.

Mix and apply the ROCKBOND FLEXIBLE (APFC) PAINT by soft brush or broom, roller or spray. Work the material well onto and well into the surface to minimise voids at the bondline and to enhance the contact of the paint with the substrate.

Brush or spray at the rate of 4m<sup>2</sup>/litre to give a cover of approximately 250 microns. Apply the second coat at the same rate after the first coat has lost its tack, which is normally 1 to 2 hours. However, if the concrete texture is rough and uneven, the surface will require more paint.

**The spread rate for a two coat application is 2.0m<sup>2</sup>/litre**

ROCKBOND FLEXIBLE (APFC) PAINT cures by drying out and does not require the application of a curing membrane.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND FLEXIBLE PAINT 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 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. Continue the treatment for several minutes with the eyelids kept open. 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.

ROCKBOND FLEXIBLE (APFC) PAINT (RB FPA) CONTINUED...

TECHNICAL DATA:

TYPICAL DATA at 100% latex/powder ratio at 20°C

CONSISTENCY: Paint  
CONSISTENCY LIFE: 20 minutes

ELONGATION AT FAILURE: 70%

YIELD: 1 x 2kg pack yields 1.50 litres of Flexible Paint.  
1 x 2kg pack treats 3m<sup>2</sup> of concrete at 2 x 0.25mm cover.

1 x 10kg pack yields 7.50 litres of Flexible Paint.  
1 x 10kg pack treats 15m<sup>2</sup> of concrete at 2 x 0.25mm 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:

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.

JUNE 2016