

ROCKBOND SCP LTD

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

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ROCKBOND ADMIX 501

ACRYLIC POLYMER POWDER FOR MORTARS AND NON FLOW CONCRETES

DESCRIPTION:

ROCKBOND ADMIX 501 (RB A501) powder is a dry mixed blend of compatible admixtures which has been specially designed to improve the performance of non flow cementitious materials. The admixture contains an acrylic co polymer powder and is used as an additive to enhance the application and set properties of site batched renders, mortars, non flow concretes and flooring materials. Hardened acrylic modified cementitious materials have a greater cohesive and adhesive strength, are marginally more flexible and are less porous than polymer free cementitious products. The compound is ready to use, is supplied to order, packaged in moisture proof, durable bags and has a shelf life of 5 years.

SPECIAL PROPERTIES:

- * Quickly mixed and dispersed in the mix water to generate an acrylic co-polymer latex.
- * Improves water retention, curing and reduces air entrainment, settlement and shrinkage.
- * Enhances cohesion, and the adhesion of repair and flooring materials to brick or concrete.
- * Increases the flexural, tensile and shear strengths of mortars and concretes.
- * Imparts flexibility to site batched renders, repair materials and floor screeds.
- * Increases impermeability and resistance to chemical attack, and enhances durability.
- * 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:

- + For use in mortars and renders that have low cement contents.
- + To produce good quality mortars and renders from site batched materials.
- + To damp proof, waterproof and weatherproof site batched renders, mortars and concretes.
- + For site batched flooring materials, and repair materials for concrete, floors and screeds.
- + To prevent frost attack to mortars, renders and concrete.
- + To produce cementitious materials strong in adhesion and tension, and to resist abrasion.
- + For use with Portland cement in construction as an adhesive, tile adhesive and crack filler.
- + For use in chemically aggressive environments, such as food factories, dairies, abattoirs and fertiliser plants and stores.

MIXING INSTRUCTIONS:

ROCKBOND ADMIX 501 cementitious grouts and concretes are mixed with water 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. The dosage rate is normally 0.5% by weight of cement contained in the mix: 0.5kg of the ROCKBOND ADMIX 501 powder per 100kg of cement.

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

ROCKBOND ADMIX 501 (RB A501) CONTINUED...

APPLICATION PROCEDURE:

For the application of mortars, renders, and for concrete repairs: correct and proper preparation of the substrate is essential if a successful application is to be carried out. 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.

For the placement of site batched materials on weak, friable or porous concrete 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. 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.

With repair materials or renders, form a contact coat to maximise the contact of the material onto brick or concrete. With a gloved hand, rub and work a small amount of the mortar or render well into the substrate and completely coat the surface. **Rub it in!** (100% contact is 100% bond). Place and compact further amounts of repair material onto the contact coat. Build the material up to the required level, smooth and finish.

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 ADMIX 501 powder 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 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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