

**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 ADMIX 101 POWDERNON FLOW ADMIXTURE FOR CEMENTITIOUS MORTARS AND CONCRETESDESCRIPTION:

ROCKBOND ADMIX 101 (RB A101) powder is a ready to use blend of compatible admixtures which has been specially designed to produce non flow, thixotropic, non slump, non bleed mortars, concretes and renders. The compound is also a stability and pumping aid and will help prevent segregation and bleeding of cementitious materials under pressure and placement. The powder can be dry mixed with cement or be dispersed in water, and will produce non flow materials that are quickly and easily pumped, worked and placed. The powder is packaged in 25kg moisture proof, durable bags and has a shelf life of 5 years.

SPECIAL PROPERTIES:

- \* Can be packed in water soluble bags for convenient handling and mixing.
- \* Contains no deleterious substances.
- \* Quickly and easily dispersed and mixed in the mix water.
- \* Will produce non flow cementitious mortars and renders that are quickly sprayed and placed.
- \* Thixotropic: ROCKBOND ADMIX 101 modified cementitious materials will “liquefy” when mixed, worked and pumped but will quickly gel, stiffen and harden once in place.
- \* ROCKBOND ADMIX 101 mortars, renders and non flow concretes will not readily slump or suffer plastic settlement or sinkage.
- \* Produces wet mortar and concrete mixes which are stable under pressure and pumping.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + Will produce quality mortars, renders and non flow concretes from site batched materials.
- + For use in mortars and renders that have low cement contents.
- + To accelerate the set of mortars, concretes and renders.
- + To effect and enhance high build, non slump applications on vertical and soffit surfaces.
- + To speed up the time involved with application and finishing.
- + As a pumping aid to place dry and wet mortar mixes and non flow concretes.
- + For use in non flow cementitious materials to produce a low slump and high build products.
- + To minimise adverse affects associated with segregation, slumping, sinkage and bleeding.
- + For use in mortar mixes for the laying, placing and pointing of bricks and blocks.

MIXING INSTRUCTIONS:

ROCKBOND ADMIX 101 cementitious mortars and concretes are mixed with water 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 120 Litre (RB FAPM120) to mix larger amounts of material.

ROCKBOND ADMIX 101 powder is added to and dispersed in the mix water. The dosage rate is normally 1% by weight of cement contained in the mix: 1kg of ROCKBOND ADMIX 101 powder per 100kg of cement.

## ROCKBOND ADMIX 101 (RB A101) CONTINUED...

### APPLICATION PROCEDURE:

For the application of mortars and renders: careful and proper preparation of the concrete substrate is essential if a successful material 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. 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 5m<sup>2</sup> of concrete surface with a two coat application.

Add the appropriate amount of admixture to the mix water, let the admixture disperse, add and mix the remaining mortar or concrete ingredients and apply.

Once the material is in place and has gained sufficient strength, apply ROCKBOND CURE (RB C) at the rate of 10m<sup>2</sup>/litre. During adverse curing conditions, repeat the procedure.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND ADMIX 101 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 further details. Store in a cool, dry, dark place.

### FURTHER INFORMATION:

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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.

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