

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

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ROCKBOND ADMIX 901SHRINKAGE COMPENSATING ADMIXTURE FOR MORTARS AND NON FLOW CONCRETESDESCRIPTION:

ROCKBOND ADMIX 901 (RB A901) powder is a blend of admixtures which has been specially formulated to produce non flowing mortars and concretes which are non shrink. The powder, when mixed with site batched Portland cementitious materials, will produce hardened renders, mortars and non flow concretes that are resistant to drying shrinkage. The compound will also minimise problems associated with shrinkage, such as cracking, crazing, curling, high porosity, reduced strength and limited durability. The powder is ready to use, supplied to order, packaged in moisture proof, durable bags and has a shelf life of two years.

SPECIAL PROPERTIES:

- \* Can be packaged in water soluble bags for convenient handling and easy use.
- \* Quickly and easily mixed and dispersed in the mix water.
- \* Produces cementitious materials that resist shrinkage, cracking and crazing due to the desiccation of the cement.
- \* Prevents dusting, debonding, curling and loss of strength.
- \* Promotes the self curing of renders, mortars and concrete: no need to apply curing agents.
- \* Produces crack free cementitious materials that are impermeable, waterproof, weatherproof, durable and provide long lasting protection to steel.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + To produce shrinkage compensated mortars and concretes from site batched materials.
- + To produce non shrink, ready mixed mortars and concrete.
- + To produce shrinkage compensated, crack free, weatherproof, waterproof cement renders.
- + To stop shrinkage and cracking of concrete in exposed situations, or in sensitive areas where curing regimes can't be applied.
- + To eliminate shrinkage and cracking in floor screeds and slabs, car parks, taxi-ways, runways, roadways and motorway carriageway concrete.
- + For use in concrete to protect the steel from seawater and de-icing salts.
- + To produce crack free, chemically resistant, durable mortars and concretes.

MIXING INSTRUCTIONS:

ROCKBOND UNDERWATER ADMIX 901 non flow 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 (RB FAPM) to mix larger amounts of material.

ROCKBOND ADMIX 901 powder is added to and dispersed in the mix water. The dosage rate is normally 5% by weight of cement contained in the mix: 5kg of ROCKBOND ADMIX 901 powder per 100kg of cement.

## ROCKBOND ADMIX 901 (RB A901), MIXING INSTRUCTIONS CONTINUED...

However, trials should be carried out using the mix ingredients to ascertain the dosage required to reduce the shrinkage to an acceptable value, or to totally eliminate the shrinkage. Good curing practice will also help to eliminate the shrinkage of the mortar or concrete mixed with the ROCKBOND ADMIX 901 at low dosage rates.

### APPLICATION PROCEDURE:

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.

Carry out and finalise any preparation necessary before mixing and applying the mortar or concrete. Start the mixer. Add the appropriate amount of the ADMIX 901 to the mix water, and let the powder disperse. Add the remaining ingredients of the mix, and mix until homogeneous, pour and place.

Use ROCKBOND ADMIX 1001 (RB A1001) flowing, shrinkage compensated admixture to produce flowing grouts or flowing concretes that are non shrink.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND ADMIX 901 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:

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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