

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

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**ROCKBOND ADMIX 701 POWDER****WATERPROOFING ADMIXTURE FOR MORTARS AND NON FLOW CONCRETES****DESCRIPTION:**

ROCKBOND ADMIX 701 (RB A701) powder is blend of waterproofing admixtures that has been specially designed for use with Portland cement renders, mortars and non flow concretes. The admixture, when mixed with cementitious materials, dramatically reduces the ingress and passage of water and aggressive chemicals through the pores and capillaries of the hardened cement. The compound is ready to use, supplied to order, packaged in moisture proof, durable bags and has a shelf life of 5 years.

**SPECIAL PROPERTIES:**

- \* Can be packaged in water soluble bags for convenient handling.
- \* Compatible with Portland cement containing microsilica, PFA, aluminous cements and blastfurnace slag.
- \* Readily dispersed and incorporated into cement and concrete mixes.
- \* Reduces bleeding, segregation and shrinkage.
- \* Produces weatherproof, waterproof, impermeable and durable concrete.
- \* Reduces the rate of carbonation in concrete, and attack by acid gases.
- \* Improved resistance to sulphate, chloride and chemical attack.
- \* Enhanced protection against frost attack and weathering.
- \* Checks staining, microbial growth and efflorescence.
- \* Helps to cure concrete, and to produce clean and ascetically pleasing finishes.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

**USES:**

- + For use as an admixture to waterproof mass concrete, structural concrete, concrete foundations, tunnels, culverts and pipes.
- + To waterproof water retaining structures, dams, reservoirs, tanks, swimming pools, and water handling and storage facilities.
- + To waterproof cementitious materials, mortars and renders.
- + To prevent dampness in underground concrete, cellars and basements.
- + To protect concrete against frost, weathering and adverse climatic conditions.
- + To protect concrete in ground water containing chemicals, sulphates and nitrates.
- + To protect reinforced concrete in marine environments, from de-icing salts and chlorides.
- + To waterproof cementitious repair materials.

**MIXING INSTRUCTIONS:**

ROCKBOND ADMIX 701 cementitious mortars and non flow 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 701 (RB A701).

### MIXING INSTRUCTIONS CONTINUED...

ROCKBOND ADMIX 701 powder is added to and dispersed in the mix water. The dosage rate is normally 2% by weight of cement contained in the mix: 2kg of the ROCKBOND ADMIX 701 powder per 100kg of cement.

Add the appropriate amount of the admixture to the mix water, and let the powder disperse. Add the remaining ingredients of the mortar or concrete, and mix until homogeneous.

For the treatment of ready mixed concrete: ROCKBOND ADMIX 701 powder can be added to the mix water in the ready mix truck at the plant, or the admixture can be added to the concrete at the back of the truck when the vehicle arrives on site. Mix the concrete for a few minutes before discharging.

### APPLICATION PROCEDURE:

Carry out and finalise any preparation necessary before mixing and applying the mortar or concrete. Add the ROCKBOND ADMIX 701 to the mix water, add and mix the ingredients, pour and place.

Use ROCKBOND ADMIX 801 (RB A801) flowing waterproofing admixture to produce fluid grouts or flowing concretes that are waterproof.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND ADMIX 701 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:

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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