

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

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ROCKBOND ADMIX 801 POWDER**WATERPROOFING ADMIXTURE FOR GROUTS AND FLOWING CONCRETES****DESCRIPTION:**

ROCKBOND ADMIX 801 (RB A801) powder is blend of waterproofing and water reducing admixtures that has been specially designed for use with Portland cement grouts and flowing concretes. The compound, when mixed with cementitious materials, enhances the flow, reduces the air content, the bleeding, the segregation and the shrinkage of the concrete in its plastic state, and in its hardened state, produces a dense, weatherproof, waterproof, impermeable, strong and durable concrete. The admixture dramatically reduces the passage of water and aggressive chemicals which pass through the pores and capillaries of the hardened cement. The powder is ready to use, supplied to order, packaged in moisture proof, durable bags and has a shelf life of five years.

SPECIAL PROPERTIES:

- * Can be packaged in water soluble bags for convenient handling.
- * Readily dispersed and incorporated into cement and concrete mixes.
- * Produces grouts and concretes that are self compacting at low water/cement ratios.
- * Reduces the air content, bleeding, segregation and shrinkage of flowing materials.
- * Will increase the compressive, tensile, and mechanical strength of cementitious materials.
- * Produces dense, weatherproof, waterproof, impermeable and durable concrete.
- * Reduces carbonation in concrete, and attack by atmospheric pollution and acid gases.
- * Improved resistance to sulphate, chloride and chemical attack.
- * Enhanced protection against adverse weather conditions, and prevents frost attack.
- * Prevents staining, microbial growth and efflorescence.
- * High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + For use as an admixture for site batched flowing mixes 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 prevent dampness in underground concrete, brick walls, cellars and basements.
- + To protect concrete against frost, weathering and adverse climatic conditions.
- + To protect concrete in ground water containing aqueous chemicals, sulphates and nitrates.
- + To protect reinforced concrete in marine environments from salt water and chlorides.
- + To produce flowing, high strength, waterproof cementitious materials.
- + To produce chemically resistant, durable grouts and concretes.

MIXING INSTRUCTIONS:

ROCKBOND ADMIX 801 cementitious grouts and flowing 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.

ROCKBOND ADMIX 801 (RB A801) POWDER CONTINUED...

MIXING INSTRUCTIONS CONTINUED...

ROCKBOND ADMIX 801 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 801 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 grout or concrete, and mix until homogeneous.

For the treatment of ready mixed concrete: the admixture can be added to the aggregate belt feeding the 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 grout or concrete. Add ROCKBOND ADMIX 801 to the mix water, add and mix the ingredients, pour and place.

Use ROCKBOND ADMIX 701 (RB A701) non flowing waterproofing admixture to produce non flow mortars and non flow concretes that are waterproof.

HEALTH, SAFETY AND STORAGE:

ROCKBOND ADMIX 801 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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