

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

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Email: info@rockbond.co.uk Website: www.rockbond.co.ukROCKBOND ADMIX 711 POWDERWATERPROOFING ADMIXTURE FOR MORTARS AND NON FLOW CONCRETESDESCRIPTION:

ROCKBOND ADMIX 711 (RB A711) powder is blend of waterproofing admixtures which has been specially designed for use with Portland cement mortars and non flow concretes. The admixture, when mixed with cementitious materials release compounds which react with the alkalis present in the cement. As the mortar or concrete hardens, insoluble crystals are formed in the pores and capillaries of the cement which reduce the passage of water and aggressive chemicals through the material. The powder is ready to use, supplied in quantities 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.
- * Readily dispersed and incorporated into cementitious renders, mortars and concrete.
- * Reduces bleeding, segregation and shrinkage.
- * Contains crystal growth technology: compounds contained in the admixture react with the alkalis present in the cement to form insoluble crystals which grow, seal and waterproof.
- * Produces waterproof, impermeable and durable concrete.
- * Enhanced protection against adverse weather conditions, ice and frost attack.
- * Reduces the rate of carbonation in concrete, and corrosion by acid gases.
- * Improved resistance to sulphate, chloride and chemical attack.
- * Helps to cure concrete, and to produce clean and aesthetically 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, drains and pipes.
- + To waterproof water retaining structures, dams, reservoirs, tanks, swimming pools, and water handling and storage facilities.
- + To waterproof cementitious materials, concrete, 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, salts, 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 711 cementitious mortars and non 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 711 (RB A711) POWDER, MIXING INSTRUCTIONS CONTINUED...

The dosage rate is normally 2% by weight of cement contained in the mix: 2kg of the ROCKBOND ADMIX 711 powder per 100kg of total cement.

Start the mixer. 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, mix until homogeneous, pour, place and finish.

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 mortar or concrete.

On weak, friable or porous 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.

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. Substrate surfaces without the use of the Primer Latex should be wet.

Use the ROCKBOND ADMIX 811 (RB A811) flowing waterproofing admixture to produce fluid grouts or flowing concretes that are waterproof.

HEALTH, SAFETY AND STORAGE:

ROCKBOND ADMIX 711 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:

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