

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF
SPECIAL CONCRETE PRODUCTS

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[Do visit our website: www.rockbond.co.uk](http://www.rockbond.co.uk)

ROCKBOND ADMIX 221

EXPANDING ADMIXTURE FOR CEMENTITIOUS GROUTS AND CONCRETES.

DESCRIPTION:

ROCKBOND ADMIX 221 (RB A221) is a special blend of admixture powders for use with cement and cementitious materials. The powder contains water reducing, anti-bleed and gaseous expansive agents, and a stability aid for high flow materials. The compound is used to minimise segregation and plastic settlement of the mix, and to produce flowing materials that are dimensionally stable and effective at filling voids. The powder is packaged in 1kg durable bags and has a self life of 2 years.

SPECIAL PROPERTIES:

- * Factory produced, quality assured and ready to use.
- * Can be packaged in water soluble bags for convenient handling.
- * Quickly and easily mixed and dispersed in water.
- * Reduces the water/cement ratio of cementitious mixes.
- * Enhances the flow, penetration and the filling of cracks, crevices and voids.
- * Reduces the segregation of sand and aggregate, and eliminates bleed water.
- * Produces a positive plastic expansion and reduces settlement and cracking.
- * Increases the compressive, tensile and mechanical strengths of grouts and concretes.
- * Decreases the permeability of the cement and promotes durable materials.
- * Economical, non toxic, user friendly and safe to use.

USES:

- + To produce homogeneous flowing cementitious grouts and concretes.
- + To effect positive expansion and reduce settlement in cementitious materials.
- + To penetrate and fill voids in rubble, rock, masonry, brick and concrete.
- + To fill cables and ducts, holding down assemblies.
- + To provide contact and load bearing surfaces between structural elements.
- + With cementitious materials for structural applications to meet strength requirements.
- + Under structural baseplates, machine baseplates and crane rail tracks.
- + Underpinning, and stabilizing loose floor slabs in paths, car parks and roads.
- + To enhance the resistance of cement against chemical attack.

MIXING INSTRUCTIONS:

ROCKBOND ADMIX 221 (RB A221) is dispersed in the mix water. The dosage rate is normally 1% by weight of the cement powder contained in the mix: 1kg of ROCKBOND ADMIX 221 (RB A221) per 100kg of cement. Add the admixture to the mix water and let the powder disperse for 30 seconds. Add the cement and the remaining ingredients of the mix, and mix until homogeneous.

ROCKBOND ADMIX 221 (RB A221) POWDER CONTINUED...

APPLICATION PROCEDURE:

Carry out and finalise any preparation necessary before mixing and placing the grout or concrete. Mix the ingredients, pour and place.

For use on weak, friable or porous substrates, use ROCKBOND PRIMER LATEX (RB PL) to penetrate, consolidate 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.

If the substrate requires a primer, or to enhance the bond, apply a second coat of latex to the first coat. Normally, 1 litre of ROCKBOND PRIMER LATEX (RB PL) will treat 5m² of concrete surface with 2 coats of latex.

Once the material is in place and has gained sufficient strength, apply ROCKBOND CURE (RB C) at the rate of 10m²/litre. During adverse curing conditions, repeat the procedure.

HEALTH AND SAFETY.

ROCKBOND SPECIAL CONCRETE PRODUCTS are 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.

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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