ROCK—BOND

ROCKBOND SCP LTD

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

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ROCKBOND ADMIX 201 POWDER

WATER REDUCING ADMIXTURE FOR FLUID GROUTS AND FLOWING CONCRETES

DESCRIPTION:

ROCKBOND ADMIX 201 (RB A201) powder is a blend of admixtures which has been specially formulated to mix and produce high workability grouts and concretes. The compound, when dissolved in water, will produce fluid grouts and free flowing, self compacting concrete mixes at very low water contents. The admixture will reduce the water content of cementitious mixes by 40% or more. The powder is 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 and dosage.
* The admixture is ready to use and is quickly dispersed and dissolved in water.
* Can be “dispensed” at ready mixed plants or on site.
* 5kg of admixture will treat 6m³ of ready mixed concrete.
* Very efficient: can be used at low dosages - less than 0.25% by weight of cement in the mix.
* Produces grouts and concretes with extremely low water/cement ratios.
* Will not entrain air or retard strength development even at high dosages.
* The A201 Superplasticier will not suffer frost attack
* Superflow: will not cause mixes to gel or become thixotropic.
* Will increase the compressive, flexural and tensile strength of cementitious materials.
* High yielding, economical, non toxic, odour free, user friendly and safe to use.
* Long lasting shelf life of 5 years or more when bags are stored in a cool, dry and dark place

USES:

+ To decrease the water content and increase the strength of Portland cementitious mixes.
+ To produce fluid, free flowing and self compacting cementitious materials.
+ To produce quality durable grouts and concretes from site batched materials.
+ For use with ready mixed concrete.
+ To maximise the fluidity, stability and penetration of cementitious grouts.
+ To accelerate the early strength development of concrete at low temperatures.
+ To maximise the ultimate compressive, tensile and mechanical strength of concrete.
+ For use in cement and concrete for load bearing and structural applications.
+ To produce chemically resistant, impermeable grouts and concretes.

MIXING INSTRUCTIONS:

ROCKBOND ADMIX 201 cementitious materials 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 201 powder is added to and dispersed in the mix water. The dosage rate is normally 1% by weight of cement contained in the mix: 1kg of ROCKBOND ADMIX 201 powder per 100kg of cement.

Registered Office: Newton's Farm Estate, Wissington, Nayland, Suffolk, CO6 4LX
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ROCKBOND ADMIX 201 POWDER, APPLICATION PROCEDURE:

Carry out and finalise any preparation necessary before mixing and applying the grout or concrete

Use the minimal amount of mix water, and mix to obtain the correct consistency/flow of the product for the job in hand

When applying materials to weak, friable or porous substrates, use ROCKBOND PRIMER LATEX (RB PL) to penetrate, consolidate, strengthen and seal the surface. 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.

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 grout or concrete, and mix until homogeneous.

For the treatment of ready mixed concrete: the A201 can be added to the mix water in the truck on site or spread over the aggregate belt at the plant. For on site application, the level of the concrete at the back of the truck is raised to the point of discharge and the admixture is spread evenly over the surface of the concrete. The concrete is then mixed for a few minutes prior to placement.

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, SAFETY AND STORAGE:

ROCKBOND ADMIX 201 powder is non toxic and safe to use. 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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https://rockbond.co.uk/products/rockbond-admix-201-rb-a201

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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