

ROCKBOND STABILISING POWDER ADMIX 101 (A101)

Thixotropic Admixture for Grouts, Mortars & Concrete

DESCRIPTION

ROCKBOND ADMIX 101 (RB 6.30) powder is a ready to use blend of compatible admixtures which has been specially designed to produce non-flow, thixotropic, non-slump, non-bleed mortars, concretes and renders. The compound is also a stability and pumping aid and will help prevent segregation and bleeding of cementitious materials under pressure and placement. The powder can be dry mixed with cement or be dispersed in water and will produce non-flow materials that are quickly and easily pumped, worked and placed. The powder is packaged in 25kg moisture proof, durable bags and has a shelf life of 5 years.

SPECIAL PROPERTIES

- Thixotropic: Will “liquefy” when mixed, worked and pumped but will quickly gel, stiffen and harden once in place.
- Contains no deleterious substances.
- Quickly and easily dispersed and mixed in the mix water.
- Will produce non-flow cementitious grouts, concrete and mortar that are quickly pumped, sprayed and/or placed.
- Will not readily slump or suffer plastic settlement or sinkage.
- Produces wet mortar, concrete and grout mixes which are stable under pressure and pumping.
- High yielding, economical, non-flammable, non-toxic, odour free, user friendly and safe to use.

USES

- To produce thixotropic grout for ground anchors and rock bolts in areas of dilated ground
- To produce a non-flow grout for strengthening projects where flowing grouts will create issues.
- To minimise adverse effects associated with segregation, slumping, sinkage and bleeding.
- To effect and enhance high build, non-slump applications on vertical and soffit surfaces.
- To speed up the time involved with application and finishing.
- As a pumping aid to place dry and wet mortar mixes and non-flow concretes.
- For use in non-flow cementitious materials to produce a low slump and high build products.
- For use in mortar mixes for the laying, placing and pointing of bricks and blocks.

MIXING INSTRUCTIONS

RB 6.30 A101 Thixotropic Admix cementitious grouts, mortars and concrete are mixed with water using a concrete stirrer, a pneumatic or electric power tool (1kW) and a 25lt mixing container. Use a forced action pan mixer 120 Litre to mix larger amounts of material.

RB 6.30 A101 Thixotropic Admix powder is added to and dispersed in the mix water, prior to adding the cement. The dosage rate is normally 1% by weight of cement contained in the mix: 1kg of A101 powder per 100kg of cement.

APPLICATION PROCEDURE

When using as a thixotropic additive for cement grout mixes, add the A101 to part of the mix water and make sure the product is fully dispersed prior to adding to rest of the mix. This method will achieve better results than adding the product directly to the mixer.

For the application of mortars and renders: careful and proper preparation of the concrete substrate is essential if a successful material is to be placed.

Thoroughly and completely abrade the surface where necessary to produce a sound substrate with a good mechanical key. All traces of contamination must be removed. Vacuum clean or blow away all dust and debris.

For the placement of site batched materials on weak, friable or porous concrete substrates, use RB 7.13 ROCKBOND PRIMER LATEX 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. Let the latex dry out, usually 15 to 20 minutes depending on conditions.

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 RB 7.13 ROCKBOND PRIMER LATEX will treat 5m² of concrete surface with a two coat application.

Add the appropriate amount of admixture to the mix water, let the admixture disperse, add and mix the remaining mortar or concrete ingredients and apply. Once the material is in place and has gained sufficient strength, apply RB 7.11 ROCKBOND MEMBRANE CURE at the rate of 8m²/litre. During adverse curing conditions, repeat the procedure.

HEALTH AND SAFETY

RB 6.30 ROCKBOND ADMIX 101 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.

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales Team:

CONTACT DETAILS

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