

# ROCKBOND SCP LTD

## FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

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### ROCKBOND ADMIX 1305 POWDER

#### RETARDING ADMIXTURE FOR NON FLOW CEMENTITIOUS MATERIALS

#### DESCRIPTION:

ROCKBOND ADMIX 1305 (RB A1305) powder is a blend of special admixtures which has been formulated to retard the set of Portland cement based cementitious materials. The compound will lengthen the consistency life and will retard the set development of Portland cement renders, mortars and non flow concretes. The powder is ready to use, 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.
- \* Effective when either premixed with cement or quickly dispersed in the mix water.
- \* Admix 1305 retards composite cements, including blends of Portland, microsilica, alumina cements, hydrated lime, pulverized fuel ash and blastfurnace slag cements.
- \* Will retard the early strength development of cement based materials at high temperatures.
- \* Potent and efficient: can be used at low dosages.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

#### USES:

- + For applications where an increase in the workability life of mortars or non flow concretes are required.
- + To increase the time necessary to mix, pump or place mortars at 20°C or more.
- + For use in hot climates or at high temperature situations to prevent cementitious mixes from "going off" too quickly.
- + To retard the set of non flow cementitious materials.
- + For gunite and shotcrete spray applications in hot climates.
- + For use with ready mixed concrete which has to travel over long distances.

#### MIXING INSTRUCTIONS:

ROCKBOND ADMIX 1305 cementitious mortars and non flow and 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 1305 powder is added to and dispersed in the mix water. The dosage rate is normally 0.5% by weight of cement contained in the mix: 0.5kg of the ROCKBOND ADMIX 1305 powder per 100kg of cement.

However, the dosage rate will depend on the cement type, the ambient temperature and the required retardation. Trials should be carried out to determine the required dosage.

## ROCKBOND ADMIX 1305 (RB A1305) POWDER CONTINUED...

### APPLICATION PROCEDURE:

Carry out and finalise any preparation necessary before mixing and applying the render, mortar or concrete. Add the ROCKBOND ADMIX 1305 to the mix water, add and mix the mortar or concrete ingredients, pour, place and finish.

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. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the repair area. Brush out any puddles, and let the latex dry out, usually 15 to 30 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 ROCKBOND PRIMER LATEX will treat 5m<sup>2</sup> of concrete surface with a two coat application. Substrate surfaces without the use of the Primer Latex should be wet.

### TECHNICAL DATA:

TYPICAL DATA at 0.5% dosage rate of A1305 by weight of Portland cement

AMBIENT TEMPERATURE	RETARDATION OF SET
15°C	6 to 8 hours
20°C	4 to 6 hours
25°C	2 to 4 hours

These times are in addition to the normal set time of the mix at 20°C

### HEALTH, SAFETY AND STORAGE:

ROCKBOND ADMIX 1305 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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