

ROCKBOND SURFACE RETARDER-PLUS

Water based concrete surface retarder

DESCRIPTION

ROCKBOND SURFACE RETARDER-PLUS (RB 7.17) is a concrete surface retarder and recommended to be used on concrete with strengths of 20 MPa and over, and on concrete under 20MPa in hot weather. When applied to the surface of freshly poured concrete it delays the normal hydration of cement for a depth of 3-6mm (and occasionally deeper), whilst the underlying concrete hardens normally.

USES

- Used in the construction of decorative exposed aggregate driveways, paths etc.
- To produce a uniform depth exposed aggregate finishes to in-situ and precast concrete.
- Provides an economical surface preparation to concrete that be overlaid with a plaster screed.
- It is also used to form a mechanical key at construction joints, eliminating the need for expensive and damaging scabbing.

MIXING INSTRUCTIONS

ROCKBOND SURFACE RETARDER-PLUS (RB 7.17) is supplied ready to use from containers without site mixing and should not be diluted.

APPLICATION PROCEDURE

After the concrete has been mixed, placed, compacted, screeded and lightly trowelled to an even finish and the initial bleed water had disappeared from the concrete surface, and before setting has commenced, ROCKBOND SURFACE RETARDER-PLUS (RB 7.17) should be applied to the surface by spray or brush.

REMOVAL

ROCKBOND SURFACE RETARDER-PLUS (RB 7.17) will slow down the set of the concrete surface. The time of retardation varies depending on the weather, the time of day the concrete is poured, and the slump of the concrete pour. It is recommended that in very hot sunny weather concrete with 120 slump be used, in colder weather 80 slump and at average temperatures 100 slump. In very hot sunny weather it is recommended that the concrete be poured late afternoon and the retarded concrete removed in the first half of the next morning. If in hot sunny weather the concrete is poured in the morning it is most likely the retarded concrete will have to be removed later in the afternoon the same day. In normal average temperatures the time will be between 12 and 24 hours and longer if cooler temperatures.

The retarded concrete can be removed by a low pressure hose or brush to reveal a good, clean exposed aggregate finish. For larger contracts we recommend trials be carried out, and do not take a longer time between pouring of the concrete and washing and brushing the treated surface than trials have indicated will achieve the desired result.

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IMPORTANT NOTES

Do not leave the retarder on longer than the time stated. If this happens, the concrete will set and the retarder will cease to be adequate.

If using a waterblaster be extremely careful not to apply too much water pressure to the concrete surface so that it dislodges the exposed aggregate.

Do not use any accelerated admixtures in the concrete when using ROCKBOND SURFACE RETARDER-PLUS (RB 7.17).

HEALTH AND SAFETY

ROCKBOND SPECIAL CONCRETE PRODUCTS are generally quite harmless, provided normal precautions are taken when handling chemicals.

Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water if the eyes or mouth are affected wash with clean water and obtain medical attention.

TECHNICAL DATA

COLOUR:	Yellow
SPECIFIC GRAVITY:	Approx 1.10 kg/Litre
FLASHPOINT:	Non Flammable
TOXICITY:	Non Toxic
DG CLASSIFICATION:	Non Hazardous
SHELF LIFE:	Unlimited in sealed container as supplied
APPLICATION TEMPERATURES:	10 ⁰ C – 30 ⁰ C
COVERAGE RATE:	3-5 m ² /Litre

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