

# ROCKBOND VERTICAL SURFACE RETARDER - PLUS

## Water based vertical concrete surface retarder

### DESCRIPTION

ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) is a water based concrete surface retarder which is applied directly to formwork, either concrete or steel, prior to the pouring of concrete. It is recommended to be used on concrete with strengths of 20 MPa and over. The normal hydration of cement in contact with the treated formwork is delayed for a depth of 3-6 mm whilst the underlying concrete hardens normally.

### SPECIAL PROPERTIES

- Ready to use.
- Non Toxic, Non Hazardous.
- Water based, making cleaning of moulds, brushes etc very simple.

### USES

- Used to produce a uniform depth of exposed aggregate finishes to in-situ or precast concrete poured in steel, timber or plywood moulds or formwork and can be used on either vertical or horizontal surfaces.
- Can be used in conjunction with ROCKBOND SURFACE RETARDER-PLUS (RB 7.17) to provide a consistent exposed aggregate surface to both the horizontal and vertical surfaces of concrete with strengths of 20 MPa and over.
- It provides an economical surface preparation to vertical off the boxing concrete that will be overlaid with a plaster render.
- It is also used to form a mechanical key to vertical construction joints eliminating the need for expensive scabbling.

### MIXING INSTRUCTIONS

ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) is a water based non toxic emulsion ready to use straight from the container, without site mixing and should not be diluted. SHAKE WELL BEFORE USE.

### PACKAGING

ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) is available in 5 Litre, 20 Litre and 200 litre non-refundable containers.

### APPLICATION PROCEDURE

Formwork to which ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) is to be applied shall be entirely clean and free from any release agent. It shall be applied by brush or roller to give a full and uniform rate of coverage which is essential to achieve an even depth of retardation. The ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) shall be dry (1 to 1½ hours

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approx) before concrete is carefully poured against the treated moulds or formwork. Once it is dry concrete shall be poured without delay.

## REMOVAL

ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) will slow down the set of the concrete surface poured against mould or formwork up to 24 hours in normal temperatures, longer in cooler temperatures. Formwork or moulds should be normally removed within 24 hours or a little longer in colder conditions.

The moulds should always be cleaned as soon as stripped from the concrete. ROCKBOND VERTICAL SURFACE RETARDER-PLUS (RB 7.23) will retard the set of concrete up to a depth of 6 mm from the surface. The depth of retardation is affected by several factors namely the thickness of the coating, the air temperature, the cement content, strength of the concrete and the length of time between when the concrete is poured and when the surface is washed and brushed.

As soon as the mould or formwork is removed, and while the surface cement is still soft remove retarded cement by washing and brushing with adequate water to leave a clean even exposed aggregate finish.

## IMPOTANT NOTES

If using a waterblaster to clean off retarded cement, 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 VERTICAL SURFACE RETARDER-PLUS (RB 7.23).

## HEALTH AND SAFETY

Rockbond special concrete products are generally quite harmless, provided normal precautions are taken when handling chemicals. Avoid contact with foodstuffs or 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
FLASHPOINT:	Non flammable
TOXICITY:	Non Toxic
DG CLASSIFICATION:	Non Hazardous
SHELF LIFE:	Unlimited in sealed containers as supplied
APPLICATION TEMPERATURE:	10°C - 30°C
COVERAGE RATE:	3-5 m <sup>2</sup> / Litre

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