

# WATERPROOF POWDER

## Admixture for waterproofing concrete, mortars and renders

### DESCRIPTION

ROCKBOND ADMIX 702 (RB 6.05) powder is a blend of waterproofing admixtures that have been specially designed for use with Portland cement concrete, mortars and renders. The admixture, when mixed with cementitious materials, acts as an integral waterproofer reducing the permeability of water through the pores and capillaries of the hardened cement. The admixture is entirely free of chlorides or nitrates. The powder is ready to use, packaged in 4 kg plastic punnets and 25kg durable bags in boxes, and has a shelf life of a minimum of two years when stored in unopened bags in dry conditions.

### SPECIAL PROPERTIES

- Produces waterproof, impermeable and durable concrete.
- Achieves major reductions in efflorescence.
- Reduces bleeding, segregation and shrinkage.
- Readily dispersed and incorporated into cement and concrete mixes.
- Waterproofing component is insoluble in water.
- Blocks the capillary channels within the concrete which inhibits both the absorption and passage of water.
- Does not adversely affect the setting time of cement or reduce the strength of concrete.
- Does not corrode reinforcing.
- Air entraining action aids placement, compaction and finishing of concrete.
- Economical, non-flammable, non-toxic, user friendly and safe to use.

### USES

- To waterproof pre-cast concrete, and concrete masonry blocks during manufacture.
- To reduce efflorescence in pavers and other decorative concrete products
- To waterproof cement renders and in-situ concrete.
- As an integral waterproofer in mortar joints and plaster renders which may be subject to hydrostatic pressure or extreme dampness.
- To waterproof water retaining structures, dams, reservoirs, concrete tanks, swimming pools, and water handling and storage facilities.
- To waterproof cementitious repair materials.
- To waterproof mass concrete, structural concrete, concrete foundations tunnels, culverts and pipes.

### MIXING INSTRUCTIONS

ROCKBOND ADMIX 702 (RB 6.05) is used at the rate of 2 kg per 100 kg of cement and should be added with either the cement prior to mixing or at the same time the cement is added to the aggregate. Do not add directly into the gauging water.

### COMPATIBILITY

ROCKBOND ADMIX 702 (RB 6.05) is compatible with other known aqueous admixtures. Where another admixture is being used, it should be added into the mix separately.

## IMPORTANT NOTES

Paving manufacturers have achieved a dramatic reduction in efflorescence in pavers by incorporating ROCKBOND ADMIX 702 (RB 6.050) into their mix design.

By incorporating ROCKBOND ADMIX 702 (RB 6.05) in concrete blocks during manufacture, water absorption as well as water penetration is prevented, which will help to counteract surface crazing which can result from the strains caused by intermittent wetting.

In the manufacture of standard precast products such as fence posts, where it can be difficult to achieve adequate cover to the reinforcing, if the concrete is not waterproofed the reinforcing is susceptible to corrosion. ROCKBOND ADMIX 702 (RB 6.05) incorporated in the mix at time of manufacture of the product will prevent the gradual disintegration caused by the concrete splitting along the line of the reinforcing and spalling off.

ROCKBOND ADMIX 702 (RB 6.05) incorporated in the manufacture of concrete pipes by making the concrete impermeable, non-absorptive and increases the resistance of the pipes to attack from strongly alkaline water, acidic soils or effluents.

## HEALTH AND SAFETY

ROCKBOND ADMIX 702 (RB 6.05) powder is non-toxic and safe to use. However, use the same precautions as with any cementitious products, wear goggles, protective clothing and a dust mask while mixing and applying the material.

## TECHNICAL INFORMATION

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

## CONTACT DETAILS

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