

# Waterproof 355

Powder Admixture For Improved Water Resistance In Mortar & Concrete

## DESCRIPTION

**Waterproof 355** reduces passage of water through concrete and mortar. It considerably reduces water absorption.

By a physical action **Waterproof 355** seals the surface of the mortar/concrete, producing a low permeability system. The hydrophobic ingredient of **Waterproof 355** is insoluble in water and therefore becomes a permanent constituent of hardened concrete.

**Waterproof 355** also contains an air-entraining plasticiser which allows a reduction to be made in the water content of the mix whilst maintaining workability and the final strength of the concrete or mortar.

**Waterproof 355** does not adversely affect setting time.

## FIELDS OF APPLICATION

- To pre-cast concrete and reconstructed stone products.
- To reduce water ingress in in-situ concrete and cement rendering.

## FEATURES AND BENEFITS

**Waterproof 355** disperses rapidly upon contact with the mixing water distributing itself throughout the mix.

- Hydrophobic element is insoluble in water. reduced labour costs
- Becomes a permanent constituent of the hardened concrete and cannot evaporate or deteriorate.
- Does not change the setting time of cement, reduce strength of concrete or corrode reinforcement.
- Has no chemical reaction. Its action is physical and positive and is thus permanent.
- Water permeability and absorption is reduced, hence it prevents movement that can arise from intermittent wetting with a resultant reduction in surface crazing.

- Reconstructed stone work stays cleaner longer and has greater resistance to attack from atmospheric acids.

## TECHNICAL DATA/ TYPICAL PROPERTIES

Composition	Off-white brown speckled powder containing a blend of selected metallic stearates with a vinyl based plasticiser.
Chloride Content	<0.1 % (w/w) of admixture (nil)

## APPLICATION PROCEDURE APPLICATION

### MIXING

**Waterproof 355** is mixed at the rate of 140g per 50 Kg of cement used. **Waterproof 355** can be pre-mixed dry with the cement, or alternatively, it can be poured into the mixer at the time the cement is added to the aggregate. All cementitious mixes containing **Waterproof 355** should be placed in accordance with good construction practice and relevant codes of practice. Good compaction is required in all cases.

### DOSAGE

**Waterproof 355** should be used at a rate of 500g per 50 Kg of Portland cement used

### PACKAGING

Available in 24 x 500g packets. These packets are not dissolvable

### STORAGE

Store in cool, dry conditions

### SHELF LIFE

Minimum two years when stored in accordance with the manufacturer's instructions.

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## WATCH POINTS

**Waterproof 355** provides protection from frost down to -2°C in the wet mortar. Normal winter working precautions must be taken.

## SAFETY PRECAUTIONS

Avoid contact with eyes and prolonged contact with skin. During application, always wear gloves and appropriate clothing to minimize contact. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Should skin contact occur, wash immediately with soap and water. Seek the advice of a physician should symptoms persist

## NOTS

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact your local C-Stallion Africa Co. Ltd representative.

C-Stallion Africa Co. Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY STATEMENT

All products manufactured by C-Stallion Africa Company Limited, or imported from by C-Stallion Africa co. Ltd affiliate companies world- wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the OHSAS 18001:2007 standards.

\* Properties listed are based on laboratory controlled tests.