

MaxProof® 400

Powder waterproofing admixture

Description

MaxProof 400 is a powder waterproofing admixture for concrete and cement-based mortars. It blocks the pores in the concrete and the mortars.

So, it stops water absorption and prevents the passage of water and moisture. **MaxProof 400** provides permanent waterproofing for the hardened concrete.

Features and benefits

- Does not rely on film formation. It becomes a permanent part of the concrete/mortar and will not deteriorate or evaporate.
- Fast dispersing during mixing with good distribution throughout the mix.
- Chloride free. Does not affect setting time, strengths or corrode steel reinforcement.
- Breathable.

Recommended for

MaxProof 400 is used to waterproof concrete and cement-based mortars in many areas such as:

- Basements and foundations.
- Potable water and waste water treatment plants.
- Swimming pools and water tanks.
- Facades, external walls.
- Wet areas such as showers, bathrooms, toilets, kitchens, balconies and roofs.

Composition

MaxProof 400 contains a blend of waterproofing ingredients. It does not contain chlorides or nitrates.

Packaging

MaxProof 400 is available in 1 kg sachets (12 sachets/box) and 25 kg bags.

Coverage

MaxProof 400 is used at the rate of 1 kg per 50 kg of cement.

Technical data

Density	1 kg/liter
Toxicity	Non-toxic
Appearance	Off-white powder

Mixing

MaxProof 400 powder can be pre-mixed with the cement, or can be added into the mixer at the time the cement is added to the aggregate or can be mixed with the dry mix sand / cement mortar prior to mixing with water.

Application

Concrete surfaces must be mechanically roughened. Cracks, porous areas and damaged concrete should be cut out and made good using suitable repair mortar. Water leakage, if any, should be stopped prior to applying waterproofing mortar modified with **MaxProof 400**.

When **MaxProof 400** will be used to produce waterproof mortar, mix sand/cement mortar to a trowelable consistency. Apply it using steel trowel at maximum application thickness of 6 mm. In case that two coats should be applied, the second coat is best applied when the first coat has begun to stiffen (usually 4-5 hours). Then, apply a thrown coat render. It should be rough enough to bond the following cement-based plaster.

For best results, cement should be fresh Portland cement. Sand should be sharp, clean and graded 0 - 3 mm. Soft and rounded sands are unsuitable.

Curing

Good curing is essential. Always cure with tap water. Keep damp for 5 days. Cover the work with wet hessian covered with polyethylene sheet.

Important notes

Waterproofing properties may be affected by concrete mix design (the use of dusty sand or

poorly graded sand, type of Portland cement, cement content and w:c ratio), placing, vibrating & finishing techniques and adequate curing.

Storage and shelf life

To maintain its quality and suitability for use, the product should be stored in its unopened packaging, off the ground on pallets or similar structures, in a cool and dry environment. When stored under these recommended conditions, the product remains suitable for use for 12 months from the manufacturing date stated on the packaging.

Health and Safety

When it comes in contact with sweat or other body fluids causes irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to eyes. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention. Dispose excess material to special waste collection point in accordance with local & national regulation. Keep out of reach of children.

For further information, please ask for Safety Data Sheet for this product.

The most up-to-date TDS can be obtained from ACC Customer Service Department, or downloaded from our website: www.acc.com.eg.

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- Waterproofing.
- Flooring.
- Tile Adhesives & Grouts.
- Concrete Repair.
- Non-Shrink Grouts.
- Bonding Agents.
- Exterior Façade Coatings.
- Premixed Fairing Coats, Renders & Mortars.
- Putties (stucco).
- Sealers & Emulsion Paints.