

MaxProof® 405

Liquid waterproofing admixture

Description

MaxProof 405 is a liquid waterproofing admixture for concrete and cement-based mortars. It effectively blocks the pores in the concrete and the mortars. So, it stops water absorption and prevents the passage of water and moisture. **MaxProof 405** provides permanent waterproofing for the hardened concrete.

Features and benefits

- Does not rely on film formation and will not deteriorate or evaporate.
- Fast dispersing during mixing with good distribution throughout the mix.
- Chloride free. Does not corrode steel reinforcement.
- Breathable.

Recommended for

MaxProof 405 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 405 contains a blend of waterproofing ingredients. It does not contain chlorides or nitrates.

Packaging

MaxProof 405 is available in 5 & 20 kg jerrycans.

Technical data

Density	1.05 kg/liter
Appearance	Viscous red liquid

Mixing

MaxProof 405 could be diluted with clean water up to 1:4 according to water pressure.

MaxProof 405 should be mixed with fresh Portland Cement by hand only. Mix quickly to a stiff consistency at the ratio of 1 part of **MaxProof 405**: 2 parts of cement by volume. Do not over-mix.

Mix only the quantity, which can be used immediately. The setting time is up to 45 seconds.

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 405**.

When **MaxProof 405** 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 one or more of the following:

- Concrete mix design.

- The use of dusty, poorly graded sand.
- Type of Portland cement.
- Cement content.
- w:c ratio.
- Placing, vibrating & finishing techniques.
- 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.