

MaxProof® 425

Water-based, bitumen protective coating

Description

MaxProof 425 is a brown/black bituminous emulsion compound. It is used as a cold applied primer, damp proofing and protective coating for concrete and masonry.

MaxProof 425 can be easily applied by stiff brush. After drying, it gives a tough, black seamless, flexible membrane with excellent adhesion to concrete, steel, wooden surfaces and cement-based substrates.

MaxProof 425 prevents salts in groundwater from penetration into reinforced concrete structures which can cause reinforcement corrosion and concrete deterioration.

Features and benefits

- Cold applied. Economical & easy to use.
- Can be applied to damp substrates.
- Good bond to concrete, masonry, steel and wood.
- Water-based. Contains no solvents.
- Prevents the absorption of saline solutions into concrete structures.

Recommended for

MaxProof 425 can be used in the following applications:

- General waterproofing applications for concrete, steel and wooden surfaces.
- As a protective coating for concrete structures against aggressive soil salts and contaminated ground water
- As a vapor barrier on concrete and masonry walls prior to cladding.
- As a primer for bituminous waterproofing membranes.
- When mixed with sand & cement, it produces a waterproofing mortar.
- As a curing compound on fresh concrete.

Composition

MaxProof 425 is composed of high quality selected emulsified bitumen, high proportion of stabilizers, thickeners and special additives.

Packaging

MaxProof 425 is available in 10 kg pails and 200 kg drums.

Coverage

Primer: 4-5 m²/kg (one coat only).

Protective coating: 1.5-2.0 m²/kg.

Waterproofing mortar: 50 kg OPC + 150 kg sand + (4-5 kg) of **MaxProof 425** will cover approximately 5-6 m² @ 2 cm thickness.

Note:

Coverage rate takes no account of wastage and may vary according to surface condition and application method.

Technical data

Wet density	1.05±0.02 kg/liter
Application temperature	From 5°C to 40°C
Surface temperature	From -5°C to 75°C
Drying time	2–3 hours @ 20°C
Time between coats	6 hours minimum @ 20°C
Full cure	72 hours
Color	Dark brown to black

Surface preparation

Substrates to be treated should be clean, sound, and free from any contamination. Remove any traces of curing compound, laitance, organic growth or any other loose materials.

Honey combing, damaged or deteriorated concrete should be repaired using suitable repair mortar.

The substrate to be treated should be leveled and as flat as possible. Wash the substrate with clean water.

Allow the substrate to dry before **MaxProof 425** application.

Mixing

Generally, **MaxProof 425** pack should be stirred well before use. The drum should be rolled before decanting material.

Application

As a primer

- **MaxProof 425** primer coat can be obtained by diluting **MaxProof 425** with 20-30% clean water according to porosity and dryness of the surface.
- Mix manually using suitable hand tools until a homogeneous consistency is achieved.
- Apply the primer coat with stiff brush and allow it to dry for 12-24 hours.

As a protective coating

- Two coats application is recommended to avoid possible pin holes in the dry film.
- Apply the first coat of **MaxProof 425** diluted 10-15% with water uniformly by stiff brush in one direction.
- Allow it to dry for 6 hours minimum.
- Apply the second coat of **MaxProof 425** diluted 5% with water using the same application technique but at right angle to the first coat.

As a waterproofing mortar

- **MaxProof 425** can be diluted 30-35% with clean water.
- **MaxProof 425** waterproofing mortar can be obtained by mix 1 part of OPC to 3 parts of sand and the diluted **MaxProof 425** mentioned above till a fully homogeneous mortar consistency is achieved.
- Apply the above mortar using steel trowel. Ensure that the trowel is always moistened with water during application.

Cleaning

Clean tools with water immediately after use. Hardened materials should be cleaned mechanically and then remove the remainder with xylene, white spirit or paraffin.

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

As with all chemical products, wear protective gloves, eye goggles and clothing. In case of skin contact, wash with plenty of water. In case of eye contact, rinse continuously with water for several minutes 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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A wide range of construction chemicals, specialty mortars and specialized building materials are manufactured by ACC which include:

- 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.