

MAK CRETE MWP

Acrylic Polymer Modified Compound



Description

Mak Crete MWP is an acrylic based polymer modified cementitious water proofing system. The Mak Crete MWP polymer, when mixed with cement will provide the unique solution to all problems related to water leakage and protects from severe fungus, salt penetration, or environmental attack in the following structures:

- ◆ Bathroom and any floor to dampness
- ◆ Water Tanks or swimming pools
- ◆ General concrete repair
- ◆ Basements, Retaining Walls, tunnels, etc.
- ◆ Against corrosion and salt attacks
- ◆ Roof Slab, Parapet, Terrace, Balconies.

When mix with the cement, it will provide better adhesive properties, impact resistance, flexural strength, and thin section fragility when compared with ordinary cement mortar.

Features

- ◆ Mak Crete MWP increases the plasticity of concrete and cement.
- ◆ Provides a tough and hard surface with water proofing.
- ◆ Resistant to salt penetration
- ◆ Resistant to UV rays, mild acids to strong alkalis.
- ◆ Non-Flammable.
- ◆ No health hazards to workmen.
- ◆ Can be applied on horizontal as well as vertical surfaces.

How It Works

It is well accepted fact that the damage skin or flesh of human body is only replaced with the skin or flesh of similar body. Likewise, damaged

How It Works

cementitious concrete or mortar should always be replaced by same kind of material. But cement particularly is having poor adhesive properties, low flexural and impact strength and mainly thin section fragility. Addition of acrylic polymer Mak Crete MWP into cement acts as a bonding agent and forms a hard, impermeable film which prevents not only water and fume but also allow the structure to breathe. This film, unlike all other existing conventional materials is flexible enough to take care of the thermal movement of structure and protects from severe attacks during all seasons.

Surface Preparation: The area to be coated must be sound clean, and free from oils, grease, or any other surface contaminants. Remove any loose material by scraping, chipping, mechanical abrasion, or any other suitable method. Visible cracks or any porous substrate are to be filled or levelled by using filler. The prepared surface is to be adequately saturated with water for at least one hour before application, but leave no puddle of water. Cleaning of salt attacked area can be thoroughly washed muriatic acid followed by copious water till neutral to litmus. Excellent surface preparation will ensure superior water proofing, excellent bonding & economic coverage.

Mixing: Take 1 part by weight of MAK CRETE MWP into a clean container and then add gradually 2 parts by weight of fresh cement under continuous mixing till a lump free pintable consistency is achieved. **Never add liquid into the cement.**

Application: The slurry made by the above method is to be applied by a wide flat brush or trowel across the prepared area uniformly. Apply the second coat of the freshly mixed slurry soon after the first coat is air dried sufficiently (Normally 3 to 6 hours). Stir frequently during use to offset settlement. NEVER USE A

Important Note

- ◆ Two or more coat of MAK CRETE MWP composite slurry are always recommended for longer durability & effective water proofing.
- ◆ The above systems generally form a hard and flexible film. To protect the film for a longer period (in case of roof slab or pedestrian movement areas), it is always advisable to lay a thin section of lean concrete with proper slope.

Health and Safety

Mak Crete MWP is classified as non-hazardous. Read the product label and Material Safety Data Sheet before use. Protect hands with rubber gloves. Avoid contact with eye and skin. In case of contact, wash immediately and thoroughly with water and seek medical advices.

PREPARED SLURRY MORE THAN 30 MINUTES OLD.

Curing: MAK CRETE MWP composite slurry system does not require continuous wet curing or ponding but it is recommended only after 24 hours of final coat application sprinkling of water or a cover with a plastic sheet to minimize the rapid surface drying due to heat or air drying for next three days.

Typical Properties

- ◆ **Base:** Emulsified Acrylic polymer
- ◆ **Appearance:** White, Milky Liquid dries to colourless coating
- ◆ **Shelf Life:** One year if unopened and stored properly.
- ◆ **Toxicity:** Non toxic but avoid inhalation
- ◆ **Solid contents:** >30%
- ◆ **Packing:** 1 kg, 20 kg and 200 kg containers.

Mix Details

Application	M: W:C:S	Coverage (sqm/kg)
Waterproofing coating	1:0:2:0	2.5 (1mm thickness in 2 coats)
Cement slurry/bonding coat	1:0:2:0	2.5 (1mm thickness in 2 coats)
Polymer Repair Mortar	1:0:2:5	2.25 (2mm thickness in 1 coats)

M = Mak Crete, W = Water, C = Cement, S = Sand

Typical Properties

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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