



Since 2000
Ultra BOND
CONSTRUCTION CHEMICALS

Ultra Cementitious Waterproof Two components Acrylic modified cementitious waterproof Coating **EX2000**

DESCRIPTION

Ultra Cementitious Waterproof EX 2000 is a two component cementitious acrylic flexible waterproofing & protective coating composed of best quality Portland cement, properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder. It is applied to waterproof and protect concrete and similar structures. Specially formulated for swimming pools, retaining walls, pile heads, water tanks, submerged tunnels, sumps, bridge decks, marbles, granites and a wide variety of extreme service class structures because on curing

AREAS OF APPLICATION

- Basement retaining walls.
- Pile Heads.
- Structural surfaces of cellars.
- Concrete roof slabs, floors, balcony floor slabs.
- Water tanks and swimming pools.
Bridge decks.
- Canals and dam walls.
- Structural surfaces of dykes.
- Waterproof coating (bottom coat) for marble, granite and other natural stones.
- Suitable for steam room waterproofing.
- Sewage treatment plants.
- For special applications such as areas where more thick plaster application is needed.

FEATURES & BENEFITS

- Flexibility - Provides a flexible & low permeable coating.
- Water permeability - Excellent resistance to ingress of water.
- Slip resistant - Provides slip resistant coating.
- Waterproof for concrete structures.
- Adhesion - Excellent adhesion to concrete, natural and artificial stone.
- Diffusion - Excellent resistance to chloride ion diffusion and carbon dioxide.
- Low temperature resistant - Resistance to freeze-thaw cycles and de-icing salts.
- Carbonation - Prevents carbonation of cement concrete.

1 SURFACE PREPARATION

- The surface must be strong & free from dirt, dust & loose particles. Thoroughly wire brush the surface & clean the dust by air compressor or wash the surface with water.
- Oil & grease must be removed using degreasing solvents. Any damaged surface must be repaired by using polymer modified repair mortar.

2 MIXING

Shake well the liquid component to a homogenous milky colour, before mixing transfer entire quantity of liquid component into a suitable clean mixing vessel, gradually start addition of powder component under constant mixing with a stirrer using a pneumatic or electric power tool (1kw) at slow speed at 250 – 300 RPM for 3- 5 minutes to a homogeneous & uniform free flowing slurry

PRECAUTIONS & LIMITATIONS

Mix the entire quantity of both the components at one go.

Do not use powder with the liquid other than the powder accompanied with liquid, it will affect the Performance.

Do not add water for dilution.

Do not flood or over expose the treated surface to water until it is completely cured.

COVERAGE

Approximately 1.5 -2 kg/m² @ 1mm thickness for 2 coats

PACKAGING

A15 Kg Compound & 5 Liter Acrylic Liquid

| PROPERTIES | SPECIFICATION | RESULTS |
|---|---------------------|---------------------|
| Nature | | Two component |
| Appearance of mix | | Free flowing slurry |
| Colour | | Grey & White |
| Sp. gravity @ 25 c, g/cc | | 1.65 - 1.75 |
| Toxicity | BS 6920 part 1:2000 | Non-toxic |
| Abrasion resistance, cm/km | | 0.09 |
| Rapid chloride permeability- reduction in chloride ion penetration, % | ASTM C 1202: 1997 | 90 |
| Hydrostatic (positive) water pressure resistance, bar | DIN 1048 | 7 |
| Hydraulic (negative) water pressure resistance, bar | DIN 1048 | 3 |
| Ponding test, Hrs. | | 48 |

3. APPLICATION

Blinding Coverage

- Apply slurry coat of mixed material for two coats at a coverage rate of 1.5 kg/m² over the set concrete slab by a masonry brush or appropriate power spray equipment.

Concrete slabs or roof slabs

- Two coat of mixed slurry to be applied to the set concrete @ 1.5 - 2kg/m² by a masonry brush, roller or appropriate power spray equipment.

Pile Heads

- Two coats of mixed slurry to be applied on to the pile head @ 0.75kg/m² first coat and 1.25 to 1.5 kg/m² second coat either by a masonry brush or by appropriate power spray equipment.

Water tanks and Swimming pools

- Two coat of Ultra Proof Leak Proof solution EX 2000 applied @ 1.5 kg/m² each coat by a masonry brush or an appropriate power spray equipment.
- All applications where two coats is specified, the second coat shall be applied when the first coat is completely dried.
- The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar system.

Marbles/Stones

- It is recommended to apply one coat at the bottom side of the marble @ 1.5 mm thick at coverage of approximately 1.8 to 2 kg/m².

SHELF LIFE & STORAGE

Shelf life is 12 months from the date of manufacturing. Store under cover, away from direct sunlight and protect from extreme temperature.

In hot temperature conditions, it must be stored in a temperature-controlled environment i.e. less than 30 c.

HEALTH & SAFETY PRECAUTIONS

- Ultra Cementitious Waterproof EX 2000 Leak Proof solution EX 2000 is alkaline and should not come into contact with skin or eyes.
- Avoid inhalation of dust during mixing.
- Gloves, goggles and dust masks should be worn.
- Any contact to eyes should be washed immediately with clean water and seek medical advice