

CEM-PROOF 2K

Highly flexible two component water proofing membrain

DESCRIPTION:

- **CEM-PROOF 2K** 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.
- **CEM-PROOF 2K** is 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 it forms an excellent elastomeric, waterproof & protective layer over the substrate.

USES :

- Interior and exterior sealing and waterproofing of walls and floors.
- Applicable for substrates subjected to shrinkage, vibration, movement, stress and minor crack formation.
- Applicable for both positive and negative sides of water-receiving substrates.
- Ideal waterproofing of walls and floors in tunnels, basements, water tanks, swimming pools, balconies, terraces and wet-rooms such as washrooms and bathrooms .

FEATURES AND BENEFITS:

- Provides excellent impermeable membrane
- Highly durable and economical
- Heavy duty waterproof coating

- Resistant to positive and negative pressure
- Water vapor permeable
- High adherence property and works with the adhered properly
- Applied to horizontal and vertical surfaces
- Flexible to take care minor cracks in concrete and masonry
- Easily brush, roller, or trowel applied
- Non-flammable and non-hazardous.

SURFACE PREPARATION:

- The substrates must be clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or any foreign contaminants which may inhibit adhesion must be removed from concrete surfaces by using wire brush, scabbler or other means.
- It is essential to provide a continuous coating of **CEM-PROOF 2K** therefore surfaces with blowholes or large cracks should first be filled with Crack Filler.
- It is recommended that a cement & sand fillet be formed at all corners to receive the waterproofing membrane.

MIXING :

- Shake well the liquid component to a homogenous milky color .
- Consistency of the mortar should be selected depending on the application method: –
 - **application by brush, roll or spraying** – pour compound B (liquid) into a container, add 1-2 liters of water and add compound A (powder) whilst stirring with a low-speed drill equipped with a mixer.
 - **application by trowel** – pour compound B (liquid) into a container and add compound A (powder) whilst stirring. The material

should be stirred until it forms a homogeneous mixture, free of lumps. Wait about 5 minutes and stir the material shortly again.

APPLICATION:

- Pre-soak the substrate with water.
- In case of spraying application, the mortar should be applied in a single layer until a desired thickness is obtained.
- If applied manually, the first layer of **CEM-PROOF 2K** should always be applied with a brush in abundant amount (preferably with a wide wall brush) on wet but not moist substrate, while the next layers can be applied by a trowel or with a brush.
- The fresh layer should be protected against drying out too quickly and direct sunlight.
- The second layer should be applied after 6-8 hours of the first layer.
- The third layer – if required – should be applied in the same way.
- For brush application, all next layers should be applied diagonally. The thickness of a single layer of **CEM-PROOF 2K** should not exceed 1.5 mm.
- The **CEM-PROOF 2K** layer can be walked on after 3 days; however, even after complete drying out, the coating must not be directly exposed to heavy mechanical loads.
- The applied mortar should be protected for at least 3 days from drying out too quickly, frost and precipitation.
- Wait 3 days from application of **CEM-PROOF 2K** before laying ceramic tiles and 5 days before application of paint coats.

TECHNICAL DATA

Appearance & Colors	Part A : White Liquid
	Part B : Cementitious grey or white powder
	Part A+B : Grey slurry
Density (A+B)	1.5 ± 0.2 gm/cm ³
Solid content	75%
Adhesion (ASTM 4541)	> 1.2 N/mm ² on concrete
UV resistance	Excellent
Flash point	Non-flammable (waterbased)

COVERAGE:

1.5-2 Kg /1 m² at thickness 1mm depending on surface condition.

PACKAGING:

- 4 kg A+B
- 20 kg A+B

CLEAN UP INSTRUCTIONS:

- All tools should be cleaned immediately after use because hardened **CEM-PROOF 2K** have excellent adhesion and are therefore difficult to remove.
- solvents such as white spirit, solvent naphtha or preferably toluene can be useful in removing hardened latex modified mortar

SHELF LIFE / STORAGE:

- 12 months since the production date when stored on pallets in dry cold conditions and in original undamaged packages.

ENVIRONMENTAL & SAFETY PRECAUTIONS:

- Care should be taken when handling, that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact to MBC