



## MCON MAGIC COAT 2K

### POLYMER MODIFIED TWO COMPONENT HEAVY DUTY WATERPROOF COATING



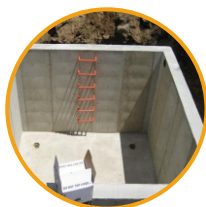
#### Product Description :-

MCON MAGIC COAT 2K is a two component modified acrylic polymer based cementitious waterproof coating system, which on mixing and hardening provides excellent water resistant barrier. It offers extremely high resistance to both positive and negative pressures. MCON MAGIC COAT 2K has excellent flexibility, breathing properties, water resistance, crack bridging properties, weathering durability, and resistance to growth of microbial organisms.

#### Features & Benefits :-

- Certified – as a “potable water safe” coating for waterproofing of water tanks.
- Low water permeability – excellent resistance to ingress of water.
- Adhesion – excellent adhesion to concrete and masonry surfaces.
- Elastomeric – elastomeric flexible coating that accommodate cracks up to 2 mm with an elasticity of 40-50%.

#### Areas of Application :-



Water Tank



Sloped Roofs



Bathrooms



Terraces

#### Technical Details :-

Properties	Results
Mix Component	Mix Ratio 1 : 2 (A : B)
Water Absorption	< 6%
Set-to-touch time	45 min ( ASTM D 1640 )
Elongation at Break - as cast	40 - 50 % ( ASTM D 412 )
Adhesion to Concrete at 7 day	1.75 N/mm <sup>2</sup> ( ASTM D 4541 )
Polymer Content	> 18 %
Compressive Strength	3 Days : $\geq 2$ N/mm <sup>2</sup>
(At temperature +27°C)	28 Days : $\geq 20$ N/mm <sup>2</sup>
Tensile Strength	$\geq 4.5$ N/mm <sup>2</sup> after 14 Days Exposure (ASTM D 2370)
Tensile Adhesion Strength	$\geq 2$ N/mm <sup>2</sup> (Concrete Failure) (ASTM C 882)





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### Easy To Apply :-

#### Surface preparation :-

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Decrease the surface by using suitable solvents.
- Repair the spelled concrete portion by MCON Polymer Mortar to the depth of at least 10 mm to avoid feather edging & to provide strong bond.

#### Mixing :-

- Shake the liquid component well to a homogenous milky colour.
- In a mixing vessel, slowly add the powder component in to the liquid under continuous stirring. Continue to stir thoroughly with slow speed stirrer to achieve a lump free homogenous slurry.
- The surface of application must be pre-wetted thoroughly with water & brought to a touch dry state. Take up the first coat application with a stiff nylon brush. Work well into the substrate, to ensure that all small undulations are completely filled with the coating.
- 3 to 4 hrs after completion of first coat, take up second coat application in direction perpendicular to the first.
- Complete the application and leave to water cure for 2 days.
- In new bathrooms, typically, MAGIC COAT 2K must be applied all over the sunken slab portion and upwards over the masonry walls up to a height of 6-7 feet, i.e. Over the splash zone of shower, etc. to ensure complete waterproofing.



#### Coverage :-

80 – 100 Sq.ft./ pack  
of 15 kg in 2 coats



#### Packing :-

15 kgs. (10 kgs. + 5 ltr)  
3 kgs. (2 kgs. + 1 ltr)

#### Shelf Life :-

- 12 months in original packing if stored at room temperature i.e. 25°C

#### Precautions & Safety :-

- Always add powder to liquid to avoid lump formation.
- Do not cure by flooding with water.
- Do not conduct any ponding test before it is completely cured for 7 days.

An ISO 9001 : 2015 - An ISO 14001 : 2015 - AN BS OHSAS 45001 : 2018

**MCON RASAYAN PVT. LTD.**

Trusted Partner In Construction Chemicals

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