



Proven waterproofing solution.
Unmatched protection.



ZERO M
ACRYLIC POWER
FOR MOISTURE RESISTANT HOMES



Zero M Acrylic Power keeps water damage under check with its revolutionary acrylic based polymer modified flexible cementitious protective and waterproofing slurry coating system. Two coats of "Acrylic Power" composite slurry system provide ample protection from water leakage and severe fungus, saltpeter or environmental attacks. Also used as a bonding agent for new to old cementitious substrates and as an additive for repair mortars.



Features and benefits

- Adding of Acrylic compound into the cement acts as a bonding agent and forms a hard impermeable film which prevents not only water and fume but also allows structure to breathe and protects it from severe attacks during all seasons.
- Improves waterproofing properties when used as a coating mixed with cement.
- Contains no chlorides hence lesser chances of chloride contamination.
- Provides excellent bond to concrete & masonry plaster.
- Acts as a bonding agent for repairs of new or old structures.

Areas of application

- Roof slab, parapets, terraces, balconies
- Water tanks or swimming pools
- Basements, retaining walls, tunnels etc
- Bathroom or any floor exposed to dampness
- Against corrosion and salt attack
- Repairs of general concrete structures, brick masonry, plaster repairs

METHOD OF APPLICATION

1

Surface preparation

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance and dust.
- Repair the concrete spalled portion by suitable mechanical means.
- Expose corroded rebars in the repairing areas fully. Remove all the loose scales and corrosion deposits and clean the surface.
- Reinforced steel must be primed with bonding agent immediately after cleaning.
- Pre-wet the surface before application.

2

Application mix

Sr. No.	Areas of Application	Mix (ABC: cement) by weight.	Method of Application
1	As waterproofing coating/bond coat	1 : 1.25/1.5	<ul style="list-style-type: none"> • Pre-wet the parent surface. • Apply first coat in single layer of the mix prepared • Once the coat is tacky, then start applying the plaster or concrete accordingly as per requirement. • Always add cement to the ABC in the proportion mentioned. • For smooth consistency, always cement needs to be blended slowly into the ABC. • If the slurry dries out, it must be recoated before any further application. • Avoid puddling of the slurry coat.
2	Rebar coat (reinforcement)	1 : 1.5/2.0	<ul style="list-style-type: none"> • Clean the Rebar with clean water. • Rusted reinforcement must be thoroughly scraped, by mechanical or other suitable tool as required. • For smooth consistency, the cement should be blended slowly into the ABC. • Apply the single coat of prepared mix by brush over the Rebar or reinforcement.
3	Repair mortar/ render/crack repair mortar	50 kg cement + 150 kg zone II sand + 10 litres ABC. (1:5:15) *Note: Trials are recommended to optimise mix design.	<ul style="list-style-type: none"> • Pre-wet the parent surface. • 10 litres ABC to be mixed with pre-measured water for 50 kg of cement. Add water for required consistency. • Bond coat must be applied uniformly before repair mortar application. • While bond coat is tacky apply repair mortar in thickness of 10-20 mm at a time. • Build up the required thickness accordingly as per the profile. • For smooth consistency, the cement should be blended slowly into the ABC. • Curing should be done as per guidelines mentioned in literature.

Curing

- Cure repaired surface using ABC to prevent rapid loss of water.
- Curing is recommended only after 24 hours of final coat application and it should be like sprinkling of water. It does not require continuous wet curing vor ponding.
- Extra care should be taken to minimise the rapid surface drying of due to heat or air drying for next 72 hours by covering with plastic sheet or dry hessian cloths:

Precautions and limitations

- Do not use Acrylic Power as bonding coat once the coat dries.
- Recommended dosages to be followed to achieve desired results.
- Clean tools and tackles immediately with ample water before it dries.
- The topping mortar must be applied on the wet slurry. If the slurry dries out, it must be recoated.

Technical information

Properties	Acrylic power Specified Limits
Type	AR
Physical state	Liquid
Colour	White/Milky white
Odour	Slight/faint
Solubility	Miscible
PH	7 – 10
Chloride Content, %	< 0.001
Solid Content, %	≥ 30 %
Specific Gravity	1 – 1.05



Available in

- 1 Ltr
- 5 Ltr
- 10 Ltr
- 20 Ltr

Shelf life and storage

- Best before one year from date of manufacturing when in ealed pack and stored under proper condition.
- Store in a cool and dry place in unopened condition away from direct sunlight.

Health and safety precautions

- It is a non-flammable compound
- Wear protective safety clothes, hand gloves, safety goggles, and nose mask during application.
- If comes in contact with eye/skin rinse and clean immediately with clean water and seek medical advice.

Disclaimer:

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