

# GET COMPLETE WATERPROOFING SOLUTIONS

Give your building  
expert protection from  
leakage, seepage and  
dampness with the  
Zero M Latex Expert.



# INTRODUCTION

It is a milky-white, Styrene-Butadiene co-polymer latex liquid with high dispersive properties. When used with cement, concrete and plaster, it reduces the mixing time through high dispersion of the polymer and gives superior waterproofing, creates better new to old concrete/plaster bonding and strengthens the building reducing shrinkage and cracking of the mix.



# FEATURES AND BENEFITS

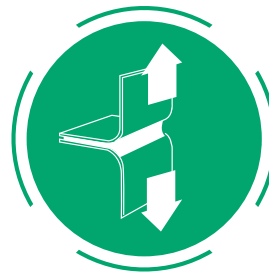
Waterproofing - Prevents leakage & dampness.



It is a multipurpose, economic and easy to use product.



Enhances strength of a repair mortar and provides durability.



Repair spalled mortar or concrete in damaged structures.



Higher bond and adhesive strength with high abrasion resistance, strong bonding to concrete, masonry, stone work, plasters, asphalt, etc.



Can be used as Bond Coat, Rebar coat, repair mortar, render, crack repair mortar, waterproof plaster, repair plaster etc.



Single component, only gauging of water as required which substantially improve the mortar or concrete qualities.



# **ZERO M**

## **LATEX EXPERT**

FOR MOISTURE RESISTANT HOMES

SBR based polymer for waterproofing, bonding and repair.

### **DESCRIPTION**

Latex Expert is a milky-white, Styrene-Butadiene co-polymer latex liquid with high dispersive properties. When used with cement, concrete and plaster, it reduces the mixing time through high dispersion of the polymer and improves waterproofing, new-to-old concrete/plaster bonding and strength characteristics and reduces shrinkage and cracking of the mix.

### **FEATURES AND BENEFITS**

- Single component, only gauging of water as required which substantially improve the mortar or concrete qualities.
- Waterproofing - Prevents leakage & dampness.
- Higher bond and adhesive strength with high abrasion resistance, strong bonding with concrete, masonry, stone work, plasters, asphalt, etc.
- Enhances strength of a repair mortar and provides durability.
- Repair spalled mortar or concrete in damaged structures.
- It is a multipurpose, economic and easy to use product.
- Can be used as Bond Coat, Rebar coat, repair mortar, render, crack repair mortar, waterproof plaster, repair plaster...etc.

### **AREAS OF APPLICATION**

- Bond coat or grout additive: general concrete structural repairing, plaster, masonry brick jointing, asbestos, natural stone or ceramic tile fixing etc.
- Protective coating / mortar: Any structure exposed to marine environment, corrosive chemicals, fumes, salt attack, corrosion, carbonation or chloride penetration etc affected areas.
- Structural repairs: columns, wall, beams, foundation, highly wear and abrasion resistant floor etc.
- Waterproofing / repair mortar: water tank, swimming pool, basement, retaining wall, tunnels, roof slabs, parapets, terraces, masonry wall, balconies, bathroom, kitchen.

### **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 to be repaired before application.

## Application mix

S. No.	Areas of Application	Mix (LBC : water: cement) by weight	Method of Application
1	Waterproofing coating / Bond coat	1 : 4 : 7/8	<ul style="list-style-type: none"> <li>● Pre wet the parent surface</li> <li>● For smooth consistency, the cement should be blended slowly into the LBC</li> <li>● Applying a first coat in single layer of the mix prepared</li> <li>● Once the coat is tacky, then start applying the plaster or concrete accordingly as per requirement</li> <li>● Always add cement to the LBC</li> <li>● If the slurry dries out, it must be recoated</li> <li>● Avoid pudding of the slurry coat</li> </ul>
2	As Rebar coat (reinforcement)	1 : 4 : 7/8	<ul style="list-style-type: none"> <li>● Clean the Rebar with clean water</li> <li>● Rusted reinforcement must be thoroughly scraped, by mechanical or other suitable tool as per required</li> <li>● For smooth consistency, the cement should be blended slowly into the LBC</li> <li>● Apply the single coat of prepared mix by brushing over the rebars or reinforcement</li> <li>● Once the coat is tacky, concrete/mortar can be applied</li> <li>● If the slurry dries out, it must be recoated</li> <li>● Avoid pudding of the slurry coat</li> </ul>
3	As Repair mortar/ render / crack repair mortar	1:10:30 50 kg cement + 150 kg zone II sand + 5 litres LBC + 12 - 15 litres water	<ul style="list-style-type: none"> <li>● Pre wet the parent surface</li> <li>● 5 litres LBC to be mixed with pre-measured water for 50 kg of cement</li> <li>● Bond coat must be applied uniformly before repair mortar application</li> <li>● While bond coat is tacky, apply repair mortar with thickness of 10-20 mm at a time</li> <li>● Build-up the required thickness accordingly as per the profile</li> <li>● As per standard practice, curing should be done</li> </ul>
4	As waterproof plaster / repair plaster	1:50:150 50 kg cement + 150 kg zone II sand + 1.0 litres LBC + 20 litres water	<ul style="list-style-type: none"> <li>● Pre wet the parent surface</li> <li>● 1 litre LBC to be mixed with pre-measured water for 50 kg of cement</li> <li>● W/C ratio should not be more than 0.45 in both the coats of application</li> <li>● 1 litre As per standard practice curing should be done</li> </ul>

## PRECAUTIONS AND LIMITATIONS

- Before taking up application on a large area, it is advisable to check the performance of the product on a relative small area.
- Close the container lid properly after use.
- Do not use LBC as bonding coat once the coat dries.
- Every time the topping mortar must be applied on the wet slurry.

## Technical Information:

S. No.	PROPERTIES	Latex Expert Specified Limits
1	Type	SBR
2	Physical state	Liquid
3	Colour	White / Milky white
4	Odour	Slight / faint
5	Solubility	Miscible
6	PH	7 - 10
7	Solid Content, %	40 +/- 3
8	Specific Gravity	1 - 1.05
10	Pull off strength , MPa	> 0.6

## PACKAGING

Available in 1, 5, 10 and 20 Litre

## SHELF LIFE & STORAGE

- Best before one year from the date of manufacturing when in sealed pack and stored under proper condition.
- Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials. Keep container closed when not in use. Check regularly for leaks.

## HEALTH & SAFETY PRECAUTIONS

- Use rubber hand gloves & safety goggles while using the admixture.
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children.

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