

Acrylic Based Sealing, Bonding & Admixture Agent

Zydex
Innovating for Sustainability



ZYC PRIME+ ACRYLIC SEALER & BONDER

ZycoPrime is an acrylic co-polymer emulsion supplied as a ready to use bonding agent with superior wet adhesion and universal compatibility. It is also a versatile latex that can be used as a cement modifier for spalled concrete slabs, overhangs, beams, columns and floors. It is also used as a bonding primer and porosity filler with ZycoSil+ during waterproofing applications.

FEATURES

- Sealing & Bonding Agent
- Multipurpose & Economical
- Excellent Wet Adhesion
- Universal Compatibility
- Excellent Bonding to Cementitious Concrete & Plaster Surfaces
- High-performance Cement Admixture

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DESCRIPTION

ZycoPrime+ is an Acrylic co-polymer emulsion, supplied as a ready to use bonding agent in liquid consistency. It is a versatile product and can be used as a cement modifier for repair of spalled concrete - slabs, balconies, beams, columns, floors & waterproofing of toilets, bathrooms and terraces.

FEATURES & BENEFITS

- Multipurpose, UV stable & Economical
- When used in concrete / plaster, it prevents cracking
- It reduces drying and shrinkage cracks
- Reduces permeability of water
- Improves workability of concrete / plaster
- Bonds strongly with concrete, plasters, cementitious surfaces
- Reduces viscosity of cement-injection grout and tile adhesives for better fluidity & bonding

APPLICATION AREAS

- **Waterproofing Membrane** : Roof terraces, sunken portion of toilets & bathrooms, chhajas, balcony, etc.
- **Concrete Repairs** : Spalled concrete of slabs, chhajas, beams, columns, parapet, floor, etc.
- **Waterproofing &/or Bonding Primer** : Walls & slabs

APPLICATION METHOD

Clean the surface with wire brush, scrubber or air blower to remove hidden dirt, loose particles, laitance & dust. De-grease the surface by using suitable solvents, if needed.

- **Bonding Primer**
To be used as a clear bonding primer by diluting 1:5 with water. Apply on the walls before painting or during putty rendering.
- **Waterproofing Primer**
For priming of concrete substrate, the surface should be thoroughly saturated with ZycoSil+ solution (Dilution Ratio - 1 part ZycoSil+ : 20 parts potable Water : 2 parts of ZycoPrime+).
- **Waterproofing Membrane**
For a waterproofing coating mix 1 part ZycoPrime+ with 1 part of cement & 1 part of 100 mesh sand.
Add water for brushability.
Brush apply the mix in span of 4-6 hours on the prepared concrete substrate. It is recommended to saturate the surface with ZycoSil+ solution prior to this application.
Overlay the coating with a protective screed to the desired slope and thickness.
Coverage : 4-5 m² for a 0.2 mm (200 microns) coat.

- **Repair Mortar & Renders, Floor Screed & PCC**

Prepare the Mortar in the following proportion:

- Cement 50 kg
- Washed Sand 75 kg
- 6 mm Down size aggregates 75 kg
- ZycoPrime+ 6-7.5 litres
- Water 10 litres

For PCC & Plaster work : ZycoPrime+ 100 ml per bag cement
(conforms to IS 2645 - 2003)

SPECIFICATIONS

Form : Milky White, Free flowing Liquid
Specific Gravity : 1.01 to 1.02
Solid content : 35 ± 1%
Viscosity @ 25°C : <500 cps

pH @ 25°C : 6 to 7
Diluent : Clean Potable Water TDS < 1000 ppm
Flash Point : Non Flammable

APPLICATION DETAILS

Sr. No	APPLICATION	RECIPE	ZYCOPRIME+ QTY
1	Patching & Repair Mortar	Portland Cement : 50 kg Washed Sand : 10 KG Water : 10 ltrs	6 - 7.5 ltrs
2	PCC / Plaster*	Portland Cement : 50 kg	100 ml
3	Waterproofing membrane (rough)	Portland Cement : 1 kg Washed Sand : 1 KG	1 ltr
4	Putty	Putty - 20 kg	100 ml
5	Waterproofing Primer	ZycoSil+ solution (1:20)	2 ltr
6	Bonding Primer	5 ltrs water	1 ltr
7	Coving	ZycoPrime+ : 1 ltr Water : 2.5 ltrs Cement : 5 kg Sand : 15 kg Mix manually / mechanically Use the mixture for smooth coving	

* conforms to IS 2645 - 2003

COVERAGE

Vertical Surfaces (Concrete, Brick & Stone) : Approx. 60-80m² (600-800 ft²) per 2 litres of ZycoPrime+ diluted in a 2l litre solution of 1:20 ZycoSil+ solution in water.

Horizontal Concrete Surfaces : Approx. 24-40m² (250-400 ft²) per 2 litre of ZycoPrime+ diluted in a 2l litre solution of 1:20 ZycoSil+ solution in water.

The coverage may vary depending upon permeability of the substrate and surface absorptivity.

ABOUT ZYDEX

Established in 1997, Zydex is a specialty chemicals company with the purpose of innovating to create a sustainable world through conservation of resources.

Beyond construction products, Zydex offers a diverse set of chemical technologies for the textile, agriculture and pavement industries. We were recently recognised as one of the 25 Most Innovative Companies in India by the Confederation of Indian Industry (CII).

Sustainable Green Chemistry

Zydex is deeply committed to sustainable chemistries that will ensure a greener future for everyone. Our commitment has made us a pioneer in introducing non-polluting and non-hazardous technologies that conserve, protect and enhance the environment. Pursuing chemical innovations that would mean a greener, safer and more resource renewable world is our passion. Our technologies have been recognized for their contribution to sustainability and are globally accepted.



25 Most Innovative Companies of India

GLOBAL PRESENCE

