

# Nano Acrylic Sealer & Bonding Agent

**Zydex**<sup>®</sup>  
Innovating for Sustainability



## **ZYCOBOND** MAX

ZycoBond Max is a nano acrylic co-polymer (70-90 nm primary particle size) for improved water resistance for concrete and cement plaster surfaces. ZycoBond Max when used in combination with ZycoSil Max seals and waterproofs siliceous construction materials.

It provides excellent wetting and bonding to the water repellent surfaces and can achieve up to 17 N/mm<sup>2</sup> bond strength. It provides flexible, reactive and water resistant polymer film for long life.

## FEATURES

- ✓ Reduces Porosity
- ✓ Excellent Water Resistance
- ✓ Excellent Wet Adhesion
- ✓ Strong Bonding (17 N/mm<sup>2</sup>) to Cementitious Concrete & Plaster Surfaces

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## DESCRIPTION

ZycoBond Max is an acrylic co-polymer emulsion, to be used as a bonding and wetting agent for excellent adhesion of concrete and cement plaster on ZycoSil Max treated surfaces . ZycoBond Max can also be mixed with ZycoSil Max solution and used as a waterproofing primer in case of vertical surfaces.

## FEATURES & BENEFITS

- UV stable & Economical
- Reduces considerably permeability of water
- Bonds strongly with ZycoSil Max treated concrete, plasters and cementitious surfaces

## APPLICATION AREAS

- **Horizontal Waterproofing:** To be used in a ratio 1:1 (with water) wet-on-wet after ZycoSil Max treatment
- **Vertical Waterproofing:** To be used as part of Zycosil Max solution in ratio of 1:45:2 of ZycoSil Max : Water : ZycoBond Max

## 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.

- **Horizontal Waterproofing**  
ZycoBond Max solution must be applied wet-on-wet by spray / flooding / roller following treatment of surface with ZycoSil Max solution
- **Vertical Waterproofing**  
Prepare solution of ZycoSil Max with water in ratio of 1 : 45 then add 2 liters of ZycoBond Max to prepared solution  
For achieving best performance, brush or roll above solution from bottom to top.  
Full saturation for the vertical surface is achieved when, solution starts dripping upon brushing or rolling

## SPECIFICATIONS

Form : Translucent Liquid Dispersion

Specific Gravity : 1.0 to 1.2

Solid content : 35 ± 1%

Bulk Viscosity : < 200 cps

pH : 5.5 - 6.5

Solubility (in Water) : Easily Dispersible

Flash Point : Above 85°C

Particle Size : < 90 nm

### PACKING

1ltr & 5 ltr.

### STORAGE

Store Between +5°C and +45°C.

### SHELF LIFE

4 years if stored as recommended.

## COVERAGE

**Horizontal Concrete Surfaces:** Approx. 24-40m<sup>2</sup> (260-430 ft<sup>2</sup>)

**Vertical Surfaces (Concrete, Brick & Stone):** Approx. 60-100 m<sup>2</sup> (645-1075 ft<sup>2</sup>)

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 for sustainability.

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).

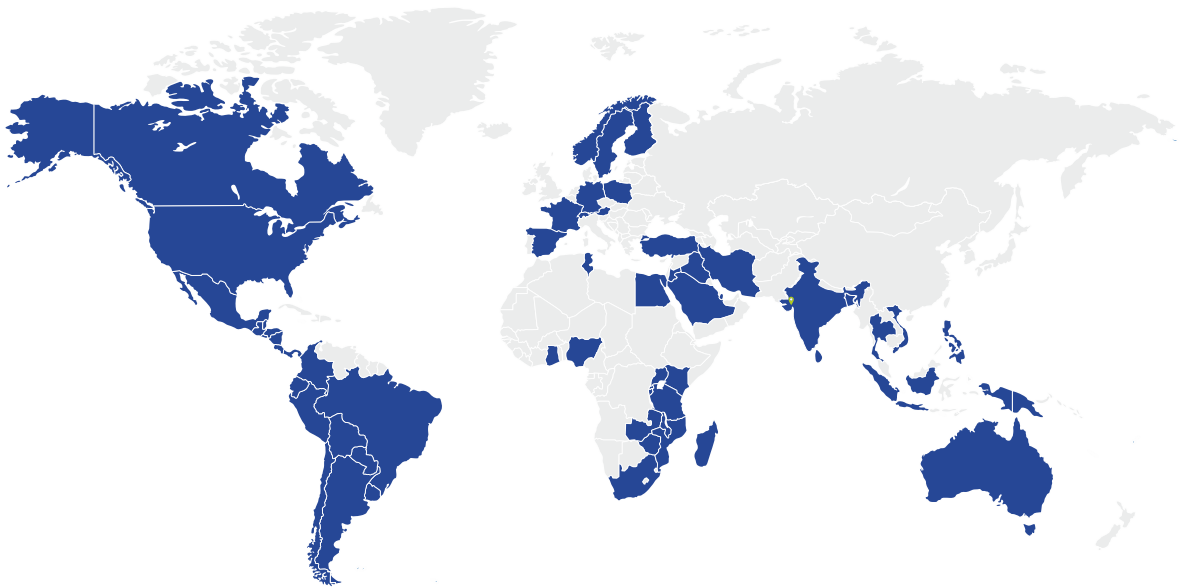
### Sustainable Green Chemistry

Zydex is deeply committed to sustainable chemistries that 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, purer and more resource renewable world is our passion. Our technologies have been recognized for their contribution to sustainability and globally accepted.



*25 Most Innovative Companies of India*

## GLOBAL PRESENCE



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