

# CS ACRYBOND

Polymer Modifier



## PRODUCT DESCRIPTION

CS Acrybond is a water – based acrylic polymer emulsion designed for modifying concrete / Portland cement compositions and waterproofing slurry.

## ADVANTAGES

- Superior adhesion
- Improved flexibility and deformability
- Increases Slip resistance
- UV Resistance
- Freeze-thaw resistance
- Liquid Resistance
- Superior mortar strength
- Decreases susceptibility to cracking

## APPLICATION AREAS

- Indoor
- Outdoor
- Roofs
- Bonding agent for concrete/cement and plaster
- Floor screed
- Waterproofing
- Liquid/effluent tanks

## COVERAGE AND MIXING

Slurry and waterproofing bond coat: 70 – 80 sq. ft. per Liter per coat

## PACKAGING

1 kg, 5 kg, and 20 kg packaging

## SHELF LIFE

CS Acrybond has shelf life of about 1 year from the date of manufacturing if stored under dark, cool and dry condition in original container.

## PHYSICAL PROPERTIES

Appearance	Milky white liquid
Solid Content	45 – 50 %
Density	1.05 – 1.1 g/cm <sup>3</sup>
pH	7 – 9
Pot life as cement – slurry	1 hour @ 25±C

## APPLICATION PROCEDURE

### Surface Preparation

- All surfaces must be cleaned of all dust, dirt, oil and other impurities. Dull shiny surfaces mechanically.
- Undulate the surface using scabbing or grit blasting or a simple wire brush.
- Dampen the surface before application with little water.

### APPLICATION

Type of application	Mixing (Latex : water: Cement)	Application Procedure
As bond coat	1 : 4 : 8.25	<ul style="list-style-type: none"> <li>• Apply a single coat of the mix</li> <li>• When coat is still tacky, apply plaster or concrete</li> <li>• Always add cement to the liquid</li> </ul>
As waterproof coating	1 : 4 : 8.25	<ul style="list-style-type: none"> <li>• Brush apply the first coat</li> <li>• Apply second coat after first coat is dry (2-6 hours)</li> <li>• Can protect the second coat with screed / plaster</li> </ul>
Reinforced bars coating	1 : 4 : 8.25	<ul style="list-style-type: none"> <li>• Rusted re-bars must be thoroughly scraped. Use mechanical means if necessary.</li> <li>• Brush apply a single coat of mix on the bars.</li> <li>• Apply concrete/mortar when the coat is tacky.</li> </ul>
For “salt petre-free” plaster masonry	1 : 4 : 8.25	<ul style="list-style-type: none"> <li>• Brush apply first coat on the brick.</li> <li>• Apply second coat after first is dry</li> <li>• Plaster once coats are done</li> </ul>
Renders, patching and crack repair mortar	5 kg Latex + 15 L water + 150 kg sand + 50 kg Cement	<ul style="list-style-type: none"> <li>• Mix water and latex separately and mix sand and cement separately</li> <li>• With stirring, add cement/sand mixture to the water latex mix</li> <li>• Clean surface and crack to be treated.</li> <li>• Make sure surface is dampened before application.</li> <li>• Applying a bond coat prior to application is recommended.</li> <li>• Work the material into the cracks and compact and trowel finish to level.</li> </ul>
As waterproof plaster/repair plaster	1 kg Latex + 20 L water + 150 kg sand + 50 kg OPC Cement	<ul style="list-style-type: none"> <li>• Mix water and latex according to recommendations</li> <li>• Use this mix to add to the dry plaster mix</li> <li>• Apply a bond coat before application for better bonding</li> <li>• Second and final layers not to be mixed with latex.</li> </ul>