



# ECOSEAL™

**TWO PACK HIGH PERFORMANCE ACRYLIC POLYMER MODIFIED CEMENTITIOUS COATING.**

- Protects concrete against water penetration, chloride and carbonation and sulphate ions
- Non-corrosive to steel or iron
- High resistance to the effect of long-term weathering.
- Durable in all climatic conditions including UV attack

ApcoBuild EcoSeal is an elastomeric flexible two component polymer modified cementitious coating system that requires only on-site mixing, forming ideal waterproof coating on concrete, masonry, and most other construction material.

## AREAS OF APPLICATION

- As a waterproof coating for water retaining structures
- As a heavy duty waterproof coating for roofs, wet areas, water tanks and basement
- To provide foundation protection
- For coating seawater channels
- As a backing to marble and granite to prevent water ingress and thus eliminates surface staining
- Sunken slabs in bathroom & Toilet
- Chajjas & parapet walls

## ADVANTAGES

- Protects concrete against water penetration, chloride and carbonation and sulphate ions
- Non-corrosive to steel or iron
- Approved for potable water contact
- Flexible enough to bridge hairline cracks
- High resistance to the effect of long-term weathering.
- Durable in all climatic conditions including UV attack
- Excellent bond to concrete and masonry
- Durable and economical
- Easily brush applied.

## METHOD OF APPLICATION

### 1. SURFACE PREPARATION

- The Surface must be sound and free from dirt, dust & loose particles. Thoroughly wire brush the surface and clean the dust by vacuum cleaner. Wash the surface with water. Oil & grease must be removed using degreasing solvents.
- Any damaged surface must be repaired by using polymer modified repair mortar with ApcoBuild seal n safe.

### 2. MIXING

- Shake the liquid component well. Use heavy duty slow speed mechanical mixer fitted with a suitable paddle for mixing the to component of the material.
- In a mixing vessel, slowly add the powder component to the liquid under continuous stirring to achieve a lump free homogenous slurry.

### 3. APPLICATION OF APCOBUILD ECOSEAL FOR WATERPROOFING OF OLD BATHROOM

- Examining brickbat coba and masonry in walls and floor and repair cracks and hollow portions, if any, with mortar prepared using ApcoBuild seal n safe
- If concealed pipes are deteriorated, remove coba or screed.
- Clean the surface. Saturate with water and remove excess water, if any, and bring to touch dry state.
- Using a wet 4 " paint brush, apply the first coat of the mixed ApcoBuild EcoSeal on the prepared surface.
- Apply to vertical surfaces also, till 15 cm from tiling level
- Allow to dry 4 to 6 hours. Prepare another batch of ApcoBuild EcoSeal & apply second coat in direction 90° to first coat
- Overlay protective screed. Use cement-sand in 1:3 along with ApcoBuild Hydrotite IWC . Overlay screed within 48 to 72 hours.
- Lay concealed pipes and traps. Finally, the brickbat coba of screed using M20 concrete, is laid to proper slope.
- All pipe inserts in walls and floors must be properly grouted with ApcoBuild Reparo45
- The area around traps and concealed water pipes should be field with polymer modified mortar using ApcoBuild seal n safe.
- The entire splash zone of the bathroom is now ready to be waterproof with ApcoBuild EcoSeal..
- Apply on vertical surfaces till 2,2 meter (7 feet)
- Apply 4 to 6 hours, apply second coat @900 to first coat. Sprinkle coarsa sand on second coat when it is feel wet, to provide key for subsequent plaster coat.

## TECHNICAL INFORMATION

Pot Life	30-40 min
Mixing Ratio	3 Parts Powder : 1 Part Liquid
Colour	Light Grey
Application Temperature	25 - 35 °C
Adhesion to concrete	Better than concrete's internal bond
Recoatible	Yes

## SHELF LIFE

12 months

## PACKAGING

3 kg.

## ESTIMATION

The coverage rate for each layer will be strongly influenced by the roughness of the substrate. The approx. coverage at even consistency (1 mm Thickness) is as: 1 kg. mixed material shall cover 10 to 12 Sq. feet in 2 coats.

## HEALTH AND SAFETY

ApcoBuild EcoSeal is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. ApcoBuild EcoSeal components are non-ammable.

**DISCLAIMER:** These suggestions and data are based on information, which we believe to be reliable. They are given for information only and in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Recommended use in construction segment.



## apcotex industries limited

Plot No. 3/1, MIDC Industrial Area, Talaja-410 208, Dist-Raigad, India  
Tel : +91-22-2740-3500 Fax : +91-22-2741-2052  
Email : apcobuild@apcotex.com Website : www.apcobuild.co.in