

## POWERCOAT<sup>®</sup>

### Advanced Acrylic Polymer Latex for Cementitious Mixes

Product Code No.: E0301

#### DESCRIPTION:

**POWERCOAT<sup>®</sup>** is a construction grade, advanced acrylic co-polymer latex/emulsion of white colour. **POWERCOAT<sup>®</sup>** with unique polymer based additives and Hi-tech new generation modifiers makes it the best in its class. Exclusively developed for cement mixes modification, product has exclusive properties, which make cement or concrete long durable, crack free, high flexural strength and water-tight.

#### ADVANTAGES:

- a. The structural surfaces coated with **POWERCOAT<sup>®</sup>** modified system would become impermeable to water thus providing waterproof barrier.
- b. **POWERCOAT<sup>®</sup>** modified coating/mortar/concrete provide a higher elastic & ductile behavior compared to ordinary cement mortar/concrete.
- c. **POWERCOAT<sup>®</sup>** modified cement slurries, mortars are ideal bonding agents between old and new concrete as well as for carrying out satisfactory and durable repairs on concrete/plaster surface such as patching damaged concrete, filling up pot-holes, cracks, crevices etc.
- d. **POWERCOAT<sup>®</sup>** gives better flowability to cement mortars/slurries without bleeding and segregation and thus gives better workability.
- e. **POWERCOAT<sup>®</sup>** has hydrophobic colloidal properties causing a much improved water retention and reduced water evaporation. Thus coating/mortar/concrete would self air cure. However water/wet cure is better.
- f. **POWERCOAT<sup>®</sup>** modified coating/mortar/concrete have a much higher impact resistance in comparison with ordinary coating/mortar/concrete.
- g. **POWERCOAT<sup>®</sup>** modified coating/mortar would have a much improved abrasion resistances in general wear condition.
- h. **POWERCOAT<sup>®</sup>** modified coatings are far more resistant to chemical attack from various categories of chemicals like mild acids, alkali, salts & solvents etc.
- i. **POWERCOAT<sup>®</sup>** has a non-ionic character and thus prevents rusting of steel Structures.

**USES:**

<b>1 WATERPROOFING</b>			
	Waterproofing coating for concrete slabs, mortar and concrete walls, swimming pools, watertanks, septic tanks, basements, lift pits etc.	POWERCOAT®- 1LIT, Gray / White Cement- 1-3 kg, Water- 500 ml, mix and apply to get 30-35 ft <sup>2</sup> for 2 coats/lit	
<b>2 BONDING AGENT</b>			
	Bonding and adhesion for tiling, cladding material, heat insulating materials are bonded to concrete, walls, joining old and new concrete,	POWERCOAT®- 1LIT, Gray / White Cement-2.5kg, Sieved sand(< 1mm)- 2.5 kg, Water- 500 ml	
<b>3 REPAIRS</b>			
A.	Concrete repairing of damaged coloms, Beams, walls, floors, water submerged Structure such as bridge.	POWERCOAT® –1 TO 2 Lit, Cement – 5 kg, Sieved Sand & Aggregate – 10 kg, Water – as required.	
B.	Repair of decayed plaster over bricks, Concrete walls.	POWERCOAT® – 1 lit. Cement – 2.8 kg. Sieved Sand – 6.8 kg. Water – as required	
<b>4 FLOORING/CEMENTITIOUS LINING</b>			
A.	Flooring paving passages, chemicals Plants stair cases, concrete roads, Railway platforms, floors for houses, Heavy duty industrial floors, warehouses, Commercial officers & shops, toilet floors,	POWERCOAT® – 1½ Lit. Cement - 5 kg. Sieved sand & aggregate – 8kg Water – as required	
B.	Chemicals resistances linings of chemical treatment plant, effluent drains, grouting of acid proof tiles, septic tanks, floor for Chemical Laboratories, foundation floor, Machinery plant, Pharmaceutical Warehouses etc.	POWERCOAT® – 1 Lit. Cement - 3 kg. Gradated sand – 6 kg. Water – 0.5 Lit.	
<b>5 CORROSION PROTECTION</b>			
	Rust prevention coat over steel structure	POWERCOAT® – 1 lit. Cement white/grey – 3 kg. Water – ½ Lit.	

**SURFACE PREPARATIONS:**

Of all works surface preparation remains the prime step toward getting successful results. Any contamination of oil, grease should be removed either

by acid etching or any other means. Loose particles should be removed from the surface of treatment. Clean the surface with the jet water. Ensure the surface is damp but free from water puddles.

#### **CLEANING OF TOOLS:**

Immediately after application of POWERCOAT, clean the tools, equipment and the mixing container / concrete mixer using water or otherwise removal of dried hardened **POWERCOAT®** is difficult.

#### **STORAGE:**

Store in cool and dry place away from direct heat

**SHELF LIFE:** 1 Year from the date of mfg. if stored in original pkg.

**PRECAUTION:** Close the lid tightly after use.

**SAFETY & HANDLING:** It is generally safe but avoid contact with eyes. In case of contact with eyes, flush with plenty of water and if irritation persists get medical help.

**PACKING:** 200 gm, 1, 5, 20 & 210 Kg

**NOTE:** Whilst **ESSAR WATERPROOFING CHEMICALS PVT.LTD.**, strives to ensure that any advice information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the use of our products since the method and place of application of the products are beyond its control.



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