

## **POLYGUARD-IWC**

***TWO COMPONENT, POLYMER MODIFIED HEAVY DUTY  
CEMENTATIOUS COATING***



**ACECOATS**<sup>®</sup>  
the complete construction solution

### **DESCRIPTION:**

Polyguard-IWC is a two component, polymer modified, heavy duty flexible coating. Polyguard-IWC may be used where there is a requirement to exclude water from a building or retain it within a structure.

### **ADVANTAGES:**

- ✓ Excellent bonding to concrete and masonry surfaces
- ✓ Excellent crack bridging capabilities even after long periods of immersion
- ✓ Can be applied to green or damp concrete
- ✓ The coating provides effective anti-carbonation over equivalent to many times its thickness in concrete
- ✓ High DFT per coat
- ✓ Withstands high hydrostatic pressures
- ✓ Resistant to petrol, diesel and mild inorganic acids
- ✓ Excellent for negative as well as positive side waterproofing
- ✓ Excellent weather resistance

### **AREAS OF APPLICATION:**

Polyguard-IWC is usually recommended for tanks in fisheries, portable water containers, reservoirs, ponds, swimming pools, silos, sumps, foundation protection, reinstatement of tie-bar holes, protection against brackish water and all water and chemical storage tanks.

### **SPECIFICATIONS:**

Base	Acrylic
Colour	Grey
Appearance	Liquid (white)/ Powder (Grey)
System	Two Component (Liquid: Powder, 30:70 by weight)
Coverage	8-10 sq.ft./kg
Drying Time:	
Surface Dry	2-3 Hours
Hard Dry	8-10 Hours
Pot life @ 30° C.	40-45 Mins.
Film Property	Tough yet Flexible

### **PREPARATION:**

The substrate must be clean, firm and completely free from contaminants including grease, oils etc. Any repairs should be carried out using cementitious repair mortar. The product cannot be mixed by hand. The liquid should be poured into a 25ltrs plastic or metal drum. The powder is added slowly whilst mixing with a spiral paddle attachment on a slow speed electric drill. Mixing should continue until the product is lump free and for a minimum of 5 minutes.

### **METHOD OF APPLICATION:**

The prepared substrate should be dampened using a fine water spray. Care should be taken with porous substrates as more extensive pre-soaking will be required. Any free water on the surface should be removed immediately prior to applying **POLYGUARD-IWC**. While the substrate is damp but free from standing water, apply the mixed product by medium hard short bristle brush, towel or roller checking that the first coat is at a minimum wet film thickness of no more than 1.5 mm and no less than 0.5 mm. The product should always be finished in one direction. The second coat should be applied as soon as the first coat is set hard, normally after a minimum of 3 hours@30°C and longer at lower temperatures. This second coat should again be finished in one direction (normally at 90° to the first coat). The total thickness should be 1-2 mm on wall and 1-3 mm on floors depending on the anticipated water pressure. As a general rule the coating thickness should be 1.5 mm on walls and 2 mm on floors upto 3 meter hydrostatic head. For deeper structures the wall coating thickness should be increased to 2 mm and for floors to 3 mm.

### **CLEANING OF TOOLS:**

Tools and equipment should be cleaned immediately using water, as on hardening, the material can only be removed mechanically.

**SAFETY PRECAUTIONS:**

Keep away from naked flames/lights. Do not smoke near application area. Protective gear such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not encourage vomiting, but call for immediate medical assistance. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

**PACKING:**

Available in 17 Kgs.

***WARRANTY CLAUSE:** The product incorporated and sold is without Warranty expressed or implied, including warranty of Merchantability and fitness for use of this material and upon condition that purchaser shall make the own test to determine the suitability and quality of such products for their particular purpose. The user assumes all risks of use and handling, whether or not in accordance with any statement of the supplier. Supplier's liability if any, for any action arising out of the material being supplied shall be limited to only replacement of material.*

