



## Waterguard S50E9

**Flexible Cementitious, crack-bridging Protective & Acrylic Waterproofing Coating.**

### **Description:-**

Waterguard SE – 50E9 is a high grade two component asbestos free, Cementitious acrylic based, flexible protective coating and waterproof barrier. This Product is two component (Powder & Liquid) and resistant to water and mild abrasion.

### **Advantages:-**

- Applied to moist /damp substrates.
- Resist strong positive side hydrostatic pressure.
- Active Barrier to carbon dioxide CO<sub>2</sub>.
- Easy to use to apply.
- Crack bridging ability.
- Potable water, waste water, sea water and marine aquarium Tanks and other reinforced concrete structures.

### **Fields of Application:-**

- Indoor and outdoor for horizontal and vertical applications.
- Water Tanks and swimming pools (under the coverage)
- Isolation of terrace roofs under the coverage.
- Elastic, does not shrink and crack.
- Elevator Pits.
- To protect concrete from water, carbonation and salts.

### **Substrate Preparation:-**

Application substrate must be dry, sound, mainly smooth, and clean and fine pored. The application surface must be clear of materials which prevent bonding such as oil, dust, paint, silicone, curing agents, detergents and paraffin wax. Weak parts of the concrete must be repaired, plaster that are not well adhered must be removed. Perpendicular corners should be beveled.

### **Cleaning:-**

Cleans tools and equipment immediately with clean water before the waterproofed sets. Hardened materials can only be removed mechanically.

### **Coverage:-**

Waterguard S50E9 Approximate 0.48 to 0.60 02 Coats are required. Recommended 03 coats if required high protection.

### **Packaging:-**

Waterguard S50E9 is packed in 28 kg set powder – 18 Kg in Cementone bag, additive Liquid 10 Kgs in Cementone Cane.

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### **Mixing:-**

Waterguard SE – 50E9 is supplied in premeasured units and should be mixed on site using clean container. Slowly add the powder to the liquid and mix. Using a slow speed drill fitted with a suitable paddle. Do not mix more materials that can be used in 1 hour.

### **Application:-**

Mixing proportion: 18 kg: 10  
Additive: (1-2) kg water can add, use a brush, roller or spray machine to apply the slurry into the substrate and spread evenly. The 2<sup>nd</sup> coat is applied after the first layer is dried and spread vertically. The third coat is applied when necessary.

### **Technical Data:-**

Property	Typical Result
Toxicity	Non Toxic
Tensile Strength	3.5 N/mm <sup>2</sup>
Water V a pour Permeability	0.27 x 10 <sup>-11</sup>
Flexural Strength	5.05 N/mm <sup>2</sup>
Compressive Strength	40 N/mm <sup>2</sup>
Abrasion Strength	0.336 after 1000 Cycle
Adhesive Strength	2.15 N/mm <sup>2</sup>

### **Uses:-**

It is flexible Cementitious water proofer suitable for use.

- Toilets & kitchens
- Balconies & Planter Boxes.
- Swimming Pools.
- Water Tanks.
- Basement Walls.
- Retaining Walls.
- Sea Walls.
- Reservoirs.
- Concrete Gutters.
- Dams
- Canals

### **Shelf Life:-**

Approx 12 months for powder Component A and up to 24 months for liquid component –B in unopened packaging, stored dry, cool and frost free.

### **Materials & Formulation:-**

All Materials is imported from Germany, China & Dubai, and Formulated in Pakistan.

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