

# Technical Data Sheet



## RessiCoat X49 I

Polymer Modified Highly Flexible Cementitious  
Waterproof Coating

**RessiCoat X-491** is a two component polymer modified highly flexible cementitious product liquid for application in an environment friendly water proof coating for protection of concrete and mortar. It provides excellent adhesion, flexibility, crack bridging ability and durability. **RessiCoat X-491** can be applied to various cementitious surfaces in marine structures, basement waterproofing, bathrooms, wet area waterproofing, swimming pools, roof waterproofing and water tanks respectively. **RessiCoat X-491** is also suitable for potable water retaining structures and drainage culverts.

### Advantages

- ✓ Excellent elongation and flexibility
- ✓ It is highly resistance to the effects of long term weathering and durable in all natural climatic conditions
- ✓ It displays excellent bonding to both concrete and masonry
- ✓ It does not require any additional over coating
- ✓ Environmentally friendly and non-toxic in nature.
- ✓ Can be used in contact with potable water
- ✓ Crack bridging and sealing
- ✓ Excellent adhesion
- ✓ Easy to apply
- ✓ Excellent for damp proofing

### Typical properties at 25°C

Component	Two: Part A – Liquid Part B – Powder
Mixed Form	Slurry
Color	Grey , white or other pigmentation
Toxicity	Non Toxic (Tested as per BS EN 6920-1)
Working time	30-60 Mins
Setting time	3 hours

**RESSICHEM** | ریسیکیم  
adding life and value to your property | مضبوطی اور پائیداری کے لئے

**RESSICHEM (Pvt.) LIMITED**

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[www.ressichem.com](http://www.ressichem.com)

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### Surface Preparation

The surface should be clean and sound, free of dust loose particles, grease, oil, primers from previous membrane systems or bitumen. Bitumen or primer should be repaired by cutting out to sound concrete and patching with polymer modified repair material. Cracks, holes and honey combs must be repaired prior must be repaired prior to application. Areas at brick / block walls to receive waterproofing should have brick joints evenly finished.

### Mixing

**Ressicoat X-491** is supplied in premeasured units. Slowly add the polymer powder to the liquid and mix using a slow speed drill machine fitted with a paddle to a lump free smooth consistency. In all cases, water can be added up to 5 % of the total mix. Do not rework stiffened mix by adding water. Only mix sufficient quantity of that can be used within 30 to 60 minutes.

### Application

Saturate the concrete surface with clean water. Apply first coat while the surface is still damp but free from standing water. Apply using a short stiff bristle brush, roller at a rate of 1-2mm, depending on the expected water pressure. Required thickness is achieved by applying 2 to 3 layers, taking care that each layer is not thicker than 1 mm. Leave the first coat to dry for 2 to 3 hours before applying the second coat. Second coat can be rubbed down with a soft sponge . spray or trowel application is acceptable provided that the mixing ratio is adjusted to achieve the right consistency. Leave the final coat of **Ressicoat X-491** to cure overnight and keep moist for 3-4 days before proceeding to conduct water proofing test. It is recommended that for over hollow blocks or highly porous areas a minimum of 3 to 4 coats at 1 mm thickness to be applied.

### Curing

**Ressicoat X-491** should be protected from wind, sunshine and rain until fully cured. Keep moist for 3 to 4 days after application.



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### **Pack Size**

**Ressicoat X-491** is available in the following pack sizes

3.2 KG pack size	Part A – 1 KG Liquid Part B – 2.2 KG Powder
16 KG pack size	Part A – 5 KG Liquid Part B – 11 KG Powder
20 KG Pack Size	Part A – 6.25 KG Liquid Part B - 13.75 KG Powder

### **Coverage**

10 – 12 SFT / KG. Actual coverage depends on porosity and texture of the substrate.

### **Shelf Life**

12 months from date of manufacture when stored under warehouse conditions in original un-opened packing. Extreme temperature / humidity may reduce shelf life.



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