

# ALEXPROOF LW



**Polymer Modified Cementitious, Durable, Waterproof coating**

## Description

**ALEXPROOF LW** is two components, Polymer modified, cementitious coating that requires only on-site mixing to form the ideal product to provide a durable ,waterproof coating to re-surface concrete, masonry and most other construction materials.

**ALEXPRROF LW** provides an effective barrier to water-borne salts and atmospheric gases.

**ALEXPRROF LW** can simply be applied by Roller, stiff brush, spray or trowel to obtain the desired texture or smooth surface.

Specially designed for contact with potable water.

## Uses

- It provides a flexible water-proof coating suitable for drinking water tanks.
- For waterproofing swimming pools before fixing tiles.
- To protect the concrete from attack by acid gases, chloride ions, oxygen and water.
- For sealing and filling cracks in concrete
- For damp proofing basements below gade.
- For sealing and filling cracks in concrete Preventing ingress of water.
- To protect the concrete from attack by acid gases, chloride ions, oxygen and water.

## Advantages

- Minimum surface preparation required.
- Excellent adhesion, bonds to porous and non porous surfaces.
- Non toxic-ideal for potable water tanks.

- Allow water vapour to escape from the structure (Breathing).
- High resistance to carbon dioxide and chloride ion diffusion.
- Direct applied to concrete, plaster and block work.
- Crack bridging.

## Surface preparation

Remove all grease, oil, dust and residual curing compound, mould realease agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro jetting.

Mechanical wire brushing may be appropriate for small areas.

Spalled concrete should be cut back to sound concrete and made good with a suitable cementitious repair mortar.

Conventional concrete curing compounds should be removed before application.

In case of damage concrete:-

- Cut back to sound concrete, then repaired.
- Soak the cut area by water.
- Repair before painting by using **ALEX REPAIR MORTAR**.

## Standard

ASTM C-230

## Properties

Specific gravity	1.56 (mixed materials)
Open time	60 minutes at 15°C
	30 minutes at 35°C
Toxicity	Non toxic
Compressive strength	42 N/mm <sup>2</sup>
Tensile strength	4.80 N/mm <sup>2</sup>
Flexural strength	5.60 N/mm <sup>2</sup>
Bond strength	2.80 N/mm <sup>2</sup>

## Guide to application

### **Mixing:**

**ALEXPROOF LW** should be mixed on site utilizing clean containers. Slowly add the powder to the liquid and mix, using a slow speed drill fitted with a suitable paddle till reaching a homogenous form for mixed material. Do not mix more material than can be used in one hour. The mixed must be used within 1 hour.

### **Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material. The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

### **Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.

### **Coverage:**

1.0 to 2.0 kg/ m<sup>2</sup> for two coats depending on the substrates conditions.

### **Colour:**

Grey, white, red, brown, and yellow  
Other colours could be produced upon request.

### **Packing:**

Is supplied in 25 Kg packs

### **Shelf life:**

Up to 12 months when stored as recommended

### **Storage:**

Should be stored in shaded areas, avoid excessive compaction.

### **Safety precaution**

- Avoid contact with eyes, mouth skin.
- Keep away from heat.
- In case of skin contact wash immediately with soap and water, don't use solvent.