

# ALEXCOAT HC

**Two Components, Highly Chemical Resistant,  
Epoxy Resin Coating**



## Description

**ALEXCOAT HC** is two-component, solvent free based epoxy resins . the cured film is highly chemical resistive to most chemical agents. It is designed to improve tensile strength, impact resistance and hair cracks.

## Uses

- Designed for protection and coating on Masonary, concrete and metal such as: Bridges and Dams.
- Chemical plants
- Oil tanks.
- Sewage treatment plants.
- Nuclear power stations.

## Advantages

- Excellent chemical resistance.
- Easy to mix and apply.
- Excellent adhesion to most materials.
- Gloss finish.
- Solvent free.
- Abrasion resistance.

## Surface preparation

The surface to be treated with **ALEXCOAT HC** must be Clean and free from dust or loose material.

**Concrete surfaces:** All laitance must be removed by grit blasting.

## Mixing:

- **ALEX COAT HC** should be thoroughly stirred prior to application.
- Mix the component (B) to component (A) while mixing.
- Still mix till achieve a homogenous consistency.

## Properties

Appearance	Clear or any colour upon request	
Pot life	90 minutes	20°C
	40 minutes	30°C
Solid Content	100%	
Specific gravity	1.42	
Working temperature	+5°C	
Initial cure	12 hours	35°C
Final cure	7 days	20°C
	5 days	30°C

### **Chemical Resistance:**

Hydrolic acid 10%	Excellent
Sulphoric acid 30%	Excellent
Sulphoric acid 70%	V.Good
Lactic acid 10%	Excellent
Nitric acid 10%	Excellent
Fatty acid	Excellent
Oil	Excellent
Benzene	Excellent
Glycerin	Excellent
Gasoline	Excellent
Petroleum	Excellent
Formaldehyde 40%	Excellent
Sea water	Excellent
Acetic acid 50%	Excellent
Dibutyl phosphate	Excellent
Ethanol 20%	Excellent
Kerosene	Excellent
Caustic soda 30%	Excellent

### **Guide to application**

#### **Application:**

**ALEXCOAT HC** could be applied by brush lamb's wool roller or by spray equipment.

Apply the first coat assuring a continues coating of uniform thickness and allow it to cure overnight, then apply the second coat till reaching the required thickness.

#### **Coverage:**

**ALEXCOAT HC** is approximately  
Covers 3.00 m<sup>2</sup>/kg@ 250 D.F.T

#### **Storage:**

Store out of direct sunlight, clear of the ground on pallets protected from rain fall.

Protect from extremes of temperatures.

#### **Packing:**

Is supplied in 5 KG,10 KG,20 KG

#### **Shelf life:**

Up to 12 months if stored as recommended

#### **Safety precautions:**

Avoid contact with eyes, mouth, and skin.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**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.

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