

# ALEXGROUT LC



## High Strength, Non-Shrink, Cementitious Grout

### Description

**ALEXGROUT LC** is a ready to use product in powder form. Non shrinkage and non metallic cementitious grout with non staining, high strength.

**ALEXGROUT LC** is formulated from selected shrinkage compensation material and gravel.

### Uses

- Grouting under general structure supports (base plates for hangers, steel shed, etc)
- Repair of damaged concrete where a highly compressive strength is required.
- Grouting under equipments, machinery & column base plates and crane rails

### Advantages

- Early strength development
- Non shrinkage (shrinkage compensation)
- Free from chlorides and aggressive materials that may lead to corrosion of steel base of structures or machines
- High bond strength to steel and concrete
- Highly fluid and extremely peaceable for easy field use.

### Standard

According to ASTM C1107 grade A

### Surface preparation

- Remove all loose material from the surface such as oil, dust, paint, curing compound or other contaminated material that decrease the adhesion force.
- Confirm both of the strengthened and the sealed of the shuttering to prevent from leakage during casting.
- Saturate the old surface by water.
- Remove all excess water before casting the grout.

### Properties

<b>Compressive strength N/mm<sup>2</sup></b>	Flowable at 3.75 lit/bag
<b>1 Day</b>	15 N/mm <sup>2</sup>
<b>3 Day</b>	25-26 N/mm <sup>2</sup>
<b>7 Day</b>	35-36 N/mm <sup>2</sup>
<b>28 Day</b>	40-55 N/mm <sup>2</sup>
<b>Density</b>	2100 kg/m <sup>3</sup> measured
<b>Free expansion</b>	2-4%
<b>Restrained expansion</b>	0-0.4%

## **Guide to application**

### **Mixing:**

Use from 3.5 to 4.0 lit of potable water to 25 kg.bag depending on consistency required. First add the required quantity of water and then **ALEXGROUT LC** dry powder as the mixer operates, mix for 3 min then place the grout, insure the casting from only one side to avoid air entrainment.

Do not add sand or gravel on site & use mortar mixer or mixing drill according to the quantity required.

### **Coverage:**

The approximate yield per 25 kg bag at each consistency is 12 lit for trowelable and 13.25 lit for flowable.

### **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.

### **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 25 Kg Bags.

### **Shelf life:**

Up to 12 months if stored in unopened Containers according to the manufactured instructions

### **Safety precautions:**

Avoid contact with eyes, mouth, and skin.

Treat splashes to eyes.

## **HEAD OFFICE:**

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