

# ALEXGROUT HCP



## High Strength, Non-Shrink, Cementitious Grout

### Description

**ALEXGROUT HCP** is a ready to use product in powder form. Non shrinkage and non metallic Cementations grout with non staining, high Strength, high fluidity characteristics

**ALEXGROUT HCP** is formulated from selected gravel, shrinkage, compensation material.

### Uses

- Milling equipment
- Gas turbines
- Crane beams.
- Anchor bolts for steel structure, Tanks and machines.
- Generators base plates.
- Filling the areas between precast panels and the building.

### Advantages

- Free from chlorides and aggressive materials that cause corrosion of steel.
- High strength for maximum load bearing.
- Highly fluid for easy field use.
- Early strength obtained to minimize the loose of time for machines.

### Standard

According to ASTM C1107 grade C

### Surface preparation

- Remove all lose 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.
- Saturated the old surface by water.
- Remove all excess water before casting the grout.

### Properties

Compressive strength N/mm2	
1 Day	30 N/mm2
7Day	65 N/mm2
14Day	75 N/mm2
28 Day	80 N/mm2
Flexural strength N/mm2	
1 Day	3.00 N/mm2
7Day	8.0 N/mm2
14 Day	8.5 N/mm2
28 Day	10.00 N/mm2
Density	2150 kg/m3
Free expansion	2-4%

## **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 HCP** dry powder as the mixer operates, mix for 3 min then place the grout, insure the casting from only one side to avoid air entrapment.
- Do not add sand or gravel on site & use mortar mixer or mixing drill according to the quantity required.
- Do not add water to restore the workability.

### **Coverage:**

The approximate yield per 25 kg bag at each consistency is 12 lit for trowable 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.

Store in dry, shaded area.

### **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:**

- Non toxic, on flammable.
- Avoid contact with eyes, mouth, and skin.
- Treat splashes to eyes by using running water and contact medical assistant.