

# ALEXGROUT SC



## High strength, Non-Shrink, Sulphate Resisting Cementitious Grout

### Description

ALEXGROUT SC is a ready to use pre packed product in powder form. Non shrinkage and non metallic Sulphate resisting cementations grout with non staining, high Strength, high fluidity characteristic ALEXGROUT SC is formulated from special aggregates and shrinkage compensating material.

### Uses

- Grouting under structure steel building, hungers, car shed,storage,.....etc)
- Repair of damage concrete
- Grouting under equipments, machines, base plates and crane rails
- Anchoring precast panels.

### Advantages

- Early strength obtained.
- Non shrinkage(Shrinkage compensation)
- Free from chlorides materials that caused corrosion of the steel.
  - High bond strength to steel and concrete
- Sulphate resisting.
- Easy application in the field.
- No segregation or bleeding at high fluidity.

### Standard

According to ASTM C1107 grade A

### Surface preparation

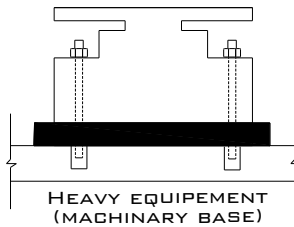
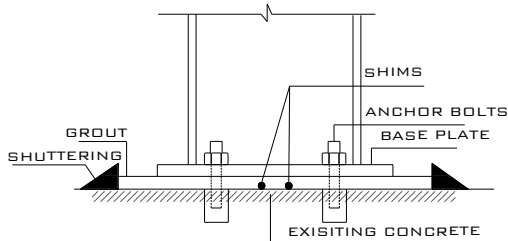
- Remove all lose material from the surface such as oil,dust,paint,curing compound or other contaminated material that decrease the adhesion force.
- Confirm both of the strengthened and the sealed of the shuttering to prevent from leakage during casting.
- Saturated the old surface by water.
- Remove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

### Properties

Compressive strength N/mm2	Flowable at 3.75 lit/bag
1 Day	20-25 N/mm2
7Day	45-40 N/mm2
14Day	65-65 N/mm2
28 Day	75-75 N/mm2
Density	2100kg/m3
Free expansion	2-4%
Restrained expansion	1-4.4%

## Guide to application

### Typical applications:



### 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 SC** 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, and ensure complete filling.
- Do not add sand or gravel on site & use mortar mixer or mixing drill according to the quantity required.
- A rod may be used to help in placement.
- Keep the head box to assure a continuous flow.
- For big volume use grout pump.

### Coverage:

The approximate yield per 25 kg bag at each consistency is 11.0 lit for trowelable and 12.50 lit for flowable

### Storage:

Store out of direct sunlight, clear of the ground on pallets protected from rain fall. protect from extremes of temperatures  
Store in shaded area.

### Packing:

Is supplied in 25 Kg Bags.

### Shelf life:

Up to 10 months if stored in unopened containers according to the manufactured instructions.

### Safety precautions:

- Non toxic, non flammable.
- Avoid contact with eyes, mouth, and skin.
- Treat splashes to eyes and contact medical assistant after washing by

### 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.