

# ALEX SILICAFUME



## Description

**ALEX SILICAFUME** is a silica fume solution for concrete properties improvement

## Uses

- To produce high strength concrete.
- In precast and prestressed concrete.
- To reduce permeability.
- Ready mixed concrete.

## Advantages

- Easy for use.
- Non toxic
- Increase adhesion and cohesion force.
- Improve physical properties for concrete.

## Properties

Colour	Dark Grey liquid	
Specific gravity	1.2±0.1	°20C

### Packing

Is supplied in 1000 lit bulks.

### Safety precaution

- Avoid contact with eyes, mouth skin, and follow by washing soap and water
- And any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought.

## For %100 Solid silica fume

1	Silicon	As	SiO <sub>2</sub>	92 : 95 %
2	Iron oxide	As	Fe <sub>2</sub> O <sub>3</sub>	0.5 : 2 %
3	Aluminum oxide	AS	Al <sub>2</sub> O <sub>3</sub>	Max 1.0 %
4	Magnesium oxide	AS	MgO	max 1.0 %
5	Calcium oxide	AS	CaO	max 0.50 %
6	Alkalinity			1 : 2 %
7	Chloride	AS	Cl	0.001 - 0.005%
8	Carbon	AS	C	1 : 2 %
9	Moisture	AS	H <sub>2</sub> O	Max 0.20 %
10	Loss on ignition at 1000 °C			Max 2.0 %
11	Bulk density			380 : 250 kg/m <sup>3</sup>
12	Couler			PALE GRAY
13	sulphate	AS	SO <sub>4</sub>	0.005 -0.01

## Screen Analysis: -

Over 45 Micron ... 1.0 Max

### Shelf life

Up to 12 month when stored as Recommended

### Storage:

Should be stored in shaded areas and is kept within the range 2 °C to 50 °C

### 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.