

# SILICA FUME

Densified

## IMPROVE CEMENT STRENGTH

Silica Fume (Densified) is a silicon dioxide that has undergone the densification process. Densified Silica Fume is a pozzolanic material used to improve the strength of cements.

Reacting with the hydration products of portland cement, it forms a calcium silicate hydrate matrix which yields a lightweight high-compressive strength cement. Densified Silica Fume also improves the flowability of cement blends.

### PHYSICAL PROPERTIES:

Appearance: Light grey powder  
Specific Gravity: 2.1 – 2.4  
Bulk Density: 608 – 720 g/cm<sup>3</sup>  
Particle Size: 0.4 microns

### CHEMICAL PROPERTIES:

Loss on Ignition: ↓6.0%  
pH: 6.0 – 9.0  
Silicon Dioxide: ↑85%

## MIXING & HANDLING

Silica Fume (Densified) is very stable and is not susceptible to fire, explosion or decomposition. The finely divided dust may cause eye and respiratory irritation. Use good industrial hygiene practice and wear goggles and a dust mask when handling the material.

WHMIS: Controlled (see SDS)

TDG: Not regulated

Packaging: 25kg bag

