

# KEM Mix MS

## Silica fume for Cementitious Mixtures

Ref. CA/OA-V1-0112

### Description

Silica fume of European origin conforming to ASTM C1240

### Uses

- Shotcrete & Underground Structures
- Offshore & Coastal concrete
- High Rise Buildings
- Dams and Bridges
- Heavy Duty Floors & Pavements
- Grouts and Mortars
- SCC and HPC

### Advantages

- KEM Mix MS based concrete has excellent resistance to penetration of chloride ions. This makes it particularly suitable for structures exposed to a chloride environment.
- Reduced rebound, Increased cohesiveness and stickiness, Less dust generation, Increased layer thickness, Reduced need for accelerator
- Improved wash-out resistance in underwater concreting.
- Better bonding to substrate and reinforcement
- Improved concrete performance, including strength and durability.
- Reduced separation and segregation, increased cohesion, easily pumpable concrete.

### Typical Properties

COMPONENT:	Requirement % (dry basis) :
SiO <sub>2</sub>	>= 85
CaO <sub>tot</sub>	<= 1,0
Cl	0,1 - 0,3
SO <sub>3</sub>	<= 2,0
L.O.I.	<= 4,0
Metallic Si	<= 0,4
Na <sub>2</sub> O equivalent	
Class	1
Bulk Density:	
-compacted	600 - 700 kg/m <sup>3</sup>
Surface Area :	15 - 35 m <sup>2</sup> /g
Activity index	>=100 %

### Standards

Conforms to the mandatory requirements of ASTM C1240

### Dosage

KEM Mix MS is dosed between 5 to 10% of cement by weight depending on mix design requirements.

### Packaging

25 kg and 100 kg bags

### Storage and Shelf life

More than 1 year in unopened bags when stored in dry conditions under shade.

### Technical Service

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

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