

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 ₂	>= 85
CaO _{tot}	<= 1,0
Cl	0,1 - 0,3
SO ₃	<= 2,0
L.O.I.	<= 4,0
Metallic Si	<= 0,4
Na ₂ O equivalent	
Class	1
Bulk Density:	
-compacted	600 - 700 kg/m ³
Surface Area :	15 - 35 m ² /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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