

QUBO FUME SF- 90

Type

Densified Silica fume.

Standard

QUBO FUME SF - 90 Complies with the requirements of ASTM C 1240.

Description

QUBO FUME SF - 90 Microsilica is a pozzolanic material that consists primarily of fine silicon dioxide particles in a non-crystalline form cement enhancer for use in high performance concrete.

Properties

QUBO Fume SF- 90 provides the following properties ...

In Fresh Concrete

-  Less segregation and improved pump ability
-  Increased cohesion

In Hardened Concrete

-  Corrosion resistance
-  High sulphate resistance
-  Reduced permeability to water and chlorides
-  Increased strength

Additional Rate

5 – 10% By weight of Cementitious material. It is recommended to carry out trial mixes to define the exact percentage required. QUBO FUME SF - 90 trial mixes recommended to ensure design parameters are attained. It is compatible with local cements.

Field Applications

Ready mix producers, precast factory, civil contractors and DIY professionals use QUBO FUME SF-90 as a CEMENT enhancer in the production of concrete for structures such as ...

-  Slabs and foundations
-  Piling
-  Walls, columns

It is also used to attain high strength concrete such as ...

-  Precast concrete elements
-  Pre-stressed concrete
-  Bridges and cantilever structures
-  Concrete where formwork must be removed quickly or early loading applied

Recommendations for design dosage & handling:

QUBO FUME SF-90 can be added to the mix in powder form prior to water addition or in a slurry form.

QUBO FUME SF- 90

Physical Properties

Form	Powder
Color	Grey
Relative Density	Approximately 2.12
Bulk Density	Approximately 600 kg/m3
Surface Area	Approximately 19 500 m2/kg
Percent Retained On 45µm %	1
Package Size & Delivery	Available in 900 kg jumbo bags, shipped in 20 ft. containers.
Shelf Life	6 months minimum

Chemical Properties

SiO2	> 90%
Fe2O3 %	0.15
AL2O3	0.37
H2O (Moisture) %	0.4
Pozzolanic Activity	> 120
Loss on Ignition (L.O.I)	< 5

Special Information

Refer to MSDS data for details

Environmental, Health & Safety Information

QUBO FUME SF - 90 is not a fire but classified as hazardous according to the NOHSC criteria

Free flowing material.

Note : Clean all equipment and flush with water after use.

Disclaimer

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user's consideration, investigation and verification of the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application. Please read all the pertinent information, statements, recommendation or suggestion together with our terms and conditions of sale which will apply to all our goods supplied. We do not use any content that may infringe on any intellectual rights, patents or copyright.