



High Grade Dry Silica Fume Powder

Description

CHEMIKO MICRO SILICA is composed of silicon dioxide (SiO_2), collected from silicon metal and ferrosilicon. Micro Silica will react with the calcium Hydroxide from the cement, which will form more of the Calcium Silicate hydrate, increasing the strength of the concrete. Using Micro Silica will also increase the durability of the concrete.

Features/Advantages

- Precast Usage
- Higher E modulus
- Produced high early and higher ultimate compressive strengths
- Eliminates steam curing, saving on heating costs
- Shotcrete usage
- Less material wastage and greater efficiency of product use
- High impermeability and significantly less rebound loss
- Increased durability
- Protects reinforcing steel from corrosion
- Improved bonding strength
- Thicker applications with each nozzle pass and enhanced pump ability

Features/Advantages

- High performance concrete
- Precast concrete
- Spray applied concrete
- Concrete exposed to environmental and chemical attack
- Marine concrete
- Ready mix concrete for high strength concrete

Typical characteristics

SiO ₂	: > 90%
Color	: Light grey to Dark
Loss on Ignition	: 2.0 – 4.0%
Moisture Content	: 0.1 – 0.25%
Retained on 45 micron sieve	: Max 8%
Surface area (BET method)	: 15–28 m ² /g
Dry bulk density (densified)	: 500 – 700 Kg/m ³

Specification Compiles

ASTM C1240 – 14

Direction for use

Application

Dosage can be adjusted based on mix design requirements or job site conditions. Trial mixes must be carried out to determine the appropriate dosage. A typical dosage is between 5% and 15% of the cementitious powder content.

Note : Chemiko Micro Silica should not be used with a competitor's admixture without consulting your local Gomax representative.

Storage and shelf life

Store at room temperature (10°C to 35°C), in dry conditions and out of direct sunlight. If unopened and stored properly, the product has an unlimited shelf life.

Packaging

25 KG Sealed HDPE Bags, 1000 KG Jumbo Bag

Precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashed to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated area and avoid inhalation.

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carryout the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.