GEOCON
Cultivating Diverse Chemistries

Product Data Sheet

Micro-Silica-Grey
Densified Fume Silica

Microsilica is a densified dry grey amorphous and highly reactive silica powder used as admixture in Portland cement concrete and mortars to increase strength, workability, durability and other properties. Microsilica is a highly reactive pozzolanic material that consists primarily of fine silicon dioxide particles. Unlike quartzite and minerals silica promarily non reactive particles Micro Silica has highly amorphous in nature rapidly reacts with calcium hydroxide bye product. Microsilica meets the requirements of ASTM C-1240 and contains a minimum of 95% silicon dioxide (SiO2)

Typical Properties

Physical State	Ultrafine powder
Color	Dark to Light Gray
Sio2	92% min
Fe_2O_3	1% max
C	≤2%
Loss on ignition	≤3%
Moisture	≤1%
Solubility(Water)	Insoluble
Melting point(°C)	Approx. 1230
specific Gravity	2.2-2.3
Bulk density(kg/m³)	500-680kg/m³
Particle size(µm)	Approx 0.3

STRENGTH

DURABILITY

RHEOLOGY

CHLORIDE RESISTANCE

Benefits using MicroSilica in Concrete

- Lowers concrete permeability.
- Improve Chloride resistance
- Increases concrete durability.
- Increases Compressive Strength
- Improves bond between rebars/concrete
- Reduces alkali-silica reactivity.
- Excellent resistance to sulfate or seawater attack.
- Reduces corrosion

Dosage

Depending upon the concrete mix design but usually replaced to the Cement by wt. from 1% to 5% depending on several factors.

Packaging

25kg soluble paper bags
25Kg BOPP Laminated bags
1000 kg Super Sacks

We can also customize bags according to your requirement.

Geocon Products

A-312 Pratik Industrial Estate.
Mulund Goregaon Link road
Bhandup West, Mumbai 400078
India

T- 022 4122 5480
E-mail: info@geoconproducts.com
www.geoconproducts.com
www.geoconproducts.co.in

414 Solution Inc
815 Tyler run
Sugar Land Texas 77479
USA

T-(281) 763-8135
info@414solution.com

P O Box 33505, Manama\
Kingdom of Bahrain

M (973) 3960 3609
T (973) 1725 6262
T (973) 1724 4300
E-mail tariq@alkhalafintl.com