

# Microsilica +



CEMEX Microsilica + is a supplementary cementitious material, comprising of amorphous silica produced by electric arc furnaces as a byproduct of the production of elemental silicon or ferro silicon alloys and selected additives.

Microsilica + can be used in a variety of applications, such as concrete, mortars, grouts and fiber cement products.

Microsilica + is delivered as a bulk material in tankers ready for rapid, direct discharge into microsilica silos.

Microsilica + is produced in accordance with Bs EN 13263 Part 1 specification.

## ADVANTAGES:

### Delivered ready to use in bulk tankers

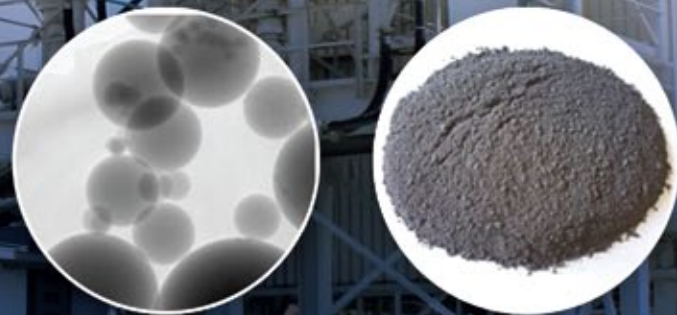
- No manual handling
- Rapid Discharge
- Avoids Dust Emissions
- Improved safety

### Local Supplier

- Lower Lead times
- State of the art handling and production facility
- Fully Equipped testing laboratory for QA/QC

### Cost Effective

- No Crane/Lifting Equipment required
- No additional man power required
- Assists compliance with environmental regulations, so avoiding non compliance penalties
- Time saving



## TECHNICAL DATA

State	Amorphous Sub Micron Powder
Colour	Grey Powder
Specific Gravity	2.1 to 2.4
Solubility	Insoluble
Typical Density (Kg/m <sup>3</sup> )	675 to 770
Cement Type compatibility	OPC, White Cement, SRPC
Supplementary Cements compatibility	GGBS, PFA



## COMPANY OVERVIEW

CEMEX is a global building materials company that provides high-quality products and reliable service to customers and communities in more than 50 countries throughout the world, and maintains trade relationships in over 100 nations.

**In the United Arab Emirates, we are a leading supplier of ready-mix concrete, slag (GGBS) and cement with more than 10 years of experience and relationship in supporting the expansion and growth of the UAE and the region.**



GGBFS



OPC



Admixture



Promptis



Evolution



For any queries, please contact  
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## How CEMEX Microsilica + works

CEMEX Microsilica +, when in contact with water goes into solution within an hour. The Silica in solution forms an amorphous silica rich, Calcium poor, gel on the surface of the silica fume particles and agglomerates.

After a period of time, the silica rich, Calcium poor coating dissolves and the agglomerates of silica fume reacts with the free lime (CAOH<sub>2</sub>) to form additional Calcium Silicate hydrates (CSH) > This is a pozzolanic reaction.

## Health and Safety

Provided normal health and safety rules are observed, CEMEX Microsilica + does not constitute a hazard to health. Avoid inhalation and contact with skin as exposure may cause irritation. For more details please refer to our MSDS.

## Handling

CEMEX Microsilica + is supplied in bulk tanker deliveries, allowing for pneumatic discharge directly into storage silos, thus eliminating the safety hazards associated with the manual handling of microsilica and the environmental hazards dust emissions associated with traditional microsilica deliveries.

## Storage

CEMEX Microsilica + should be stored in a moisture free environment.

Microsilica + can also be supplied in Jumbo bags on request.