

## Technical Data Sheet MSILICA 94 FUME

### DESCRIPTION

MSilica 94 fume is dry silica fume / microsilica, amorphous silica, amorphous silicon dioxide Available in four main forms:

- MSILICA 94 FUME 20 – typical bulk density 300 – 380 kg/m<sup>3</sup>
- MSILICA 94 FUME 40 – typical bulk density 380 – 460 kg/m<sup>3</sup>
- MSILICA 94 FUME 60 – typical bulk density 460 – 520 kg/m<sup>3</sup>
- MSILICA 4CONCRETE DENSIFIED – typical bulk density 650 – 850 kg/m<sup>3</sup>

CAS: 69012-64-2

EINECS: 273-761-1

REACH: 01-2119486866-17-0013

MSILICA 94 FUME meets the requirements of the EN 13263 from the European Committee for Standardisation

### APPLICATION

Additive (mineral admixture) in manufacturing of; ready mix high-strength concrete, repair products as mortars and grouts, shotcrete, manufacturing of sealants and adhesives, component of refractories. Additive in other building materials such as roof tiles and facade cladding.

### STORAGE

MSilica 94 Fume should be kept in dry storage. Subjected to moisture and allowed to dry again may result in inferior performance. Not to be stored in temperature near to or below 0 degrees Celsius. Keep away from hydrofluoric acid (HF).

#### TYPICAL CHEMICAL AND PHYSICAL CHARACTERISTICS

| CHEMICAL SPECIFICATION         |   | TYPICAL | PHYSICAL SPECIFICATION                  |                   | TYPICAL |
|--------------------------------|---|---------|-----------------------------------------|-------------------|---------|
| SiO <sub>2</sub>               | % | 94,00   | Specific Surface                        | m <sup>2</sup> /g | 25      |
| Na <sub>2</sub> O              | % | 0,50    | Dry Mass Variation                      | %                 | 50±4    |
| C                              | % | 0,40    | Pozzolanic Activity Index after 28 days | %                 | 106     |
| SO <sub>3</sub>                | % | 0,03    | L.O.I                                   | %                 | 2,00    |
| Cl                             | % | 0,02    | H <sub>2</sub> O                        | %                 | 0,10    |
| CaO                            | % | 0,40    |                                         |                   |         |
| Fe <sub>2</sub> O <sub>3</sub> | % | 0,80    |                                         |                   |         |
| Al <sub>2</sub> O <sub>3</sub> | % | 1,0     |                                         |                   |         |
| MgO                            | % | 1,0     |                                         |                   |         |

#### PACKING

Silica 94 Fume is supplied in a range of packing:

- Bulk in road tanker
- Paper bags
- Big bags with capacity of 1m<sup>3</sup> or 1.6m<sup>3</sup>

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