



MICRO SILICA N92%

GENERAL

MICRO SILICA, also known as silica fumes is very fine non-crystalline silica produced in electric arc furnace as a by-product of the production of elemental silicon or alloys containing silicon. It is usually grey coloured powder, somewhat similar to Portland cement or some fly ashes. Silica fumes refer to material that is used in concrete in addition to Portland cement.

N92

MICRO SILICA 92% IS DRY SILICA FUME AVAILABLE IN TWO MAIN FORMS

- UNDENSIFIED – N92U WITH A TYPICAL BULK DENSITY OF 200-350 KG/M³
- DENSIIFIED N92D WITH A TYPICAL BULK DENSITY OF 500-700 KG/M³

PACKAGING

UNDENSIFIED – N92U CAN BE AVAILABLE IN

- 550 KG JUMBO BAGS
- 25 KG BAG

DENSIIFIED – N92D CAN BE AVAILABLE IN

- 1000 KG JUMBO BAGS
- 25 KG BAGS

STORAGE

SHOULD BE KEPT IN DRY STORAGE. PRODUCT THAT HAVE BE SUBJECTED TO MOISTURE AND ALLOWED TO DRY AGAIN MAY RESULT IN TO INFERIOR PERFORMANCE

STANDARD SPECIFICATION

Our micro silica N92 is as per the ASTM C1240 standard, which is generally used in cementitious mixtures with coal fly ash (ASTM C618).

| <u>CHEMICAL & PHYSICAL ANALYSIS</u> | <u>SPECIFICATION AS PER ASTM C1240 STANDARDS</u> |
|--|--|
| SIO ₂ (%) | MIN 92.00 % |
| MOISTURE (%) | MAX 3.00 % |
| LOSS ON IGNITION, LOI (%) | MAX 6.00 % |
| SPECIFIC SURFACE (M ² /GRAM) | MIN 15.00 |
| BULK DENSITY (KG/M ³) | <ul style="list-style-type: none">• N92U : 200 TO 350• M92D: 500 TO 700 |
| POZZ. ACTIVITY INDEX (%) 7 DAYS ACCELERATED CURING | MIN 105.00% |
| RETAINED ON 45 MICRON SIEVE (%) | MAX 10.00 % |

BENEFITS

Because of its extreme fineness and high silica content micro silica is a very effective pozzolanic material standard specification for micro silica used in cementitious mixtures is ASTM C1240

Micro silica is added to Portland cement concrete to improve its properties, in particular its compressive strength, bond strength and abrasion resistance. Adding micro silica also reduces the permeability of concrete to chloride which protects the reinforcing steel of concrete from corrosion especially in environment such as coastal regions and those of humid climate



Micro silica



Micro silica in jumbo bags on pallet

NOTE: The information give on this datasheet is accurate to the best knowledge of navdeep trradex. This information is subject to change without notice for latest update or further information or assistance please contact us on email address or internet address or our contact details which are given in this datasheet

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