

Technical Data Sheet

Silica Fume (Densified)

Product Description: Silica fume is added to concrete to improve its compressive strength, bond strength, and abrasion resistance. These improvements stem from both the mechanical improvements resulting from addition of a very fine powder to the cement paste mix as well as from the pozzolanic reactions between the amorphous silica and free calcium hydroxide in the paste. Addition of silica fume also reduces the permeability of concrete to chloride ions, which protects the reinforcing steel of concrete from corrosion, especially in chloride-rich environments such as coastal regions and those of humid continental roadways and runways (because of the use of deicing salts) and saltwater bridges.

Physical Properties:

pH Value	6—9
Specific Gravity	2.2-2.3
Bulk Density	30—45 PCF
Color	Grey

Available Packaging:

Bulk, bulk bags, 50 lb. and 25 lbs. bags . FOB Oxnard, CA. DMI can also provide on-site storage

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