



A horizon of promise at your service...



Efficiency and Effectiveness are two of the most important factors influencing the implementation and completion of any project. However it is proper planning and industry knowledge that set the pace, direction and perfection of this Efficiency and Effectiveness. Daze is that epitome of Planning and Knowledge.

Well established in the industry with a reputation of its own, the company stands tall in the competitive market for its deep industry knowledge and foresight regarding the core products of projects in the Construction and Marine Industries.

Being a dynamic enterprise, the company's sole aim is to understand valued customer needs, work with them closely in order to deliver beyond customer expectations. This is achieved in every single endeavor, thanks to the staff of experienced personnel working relentlessly to produce optimum results for the company's esteemed clients and deliver products at competitive prices.

The product range at Daze spans across products like

Cement, Ready Mix & Construction Related Products

- ☞ Micro Silica (Densified Silica Fume ASTM C 1240)
- ☞ China Clay (Metakaolin)
- ☞ Ground Granulated Blast Furnace Slag (GGBFS : 6699)
- ☞ Clinker for Cement
- ☞ Granulated Blast Furnace Slag (GBFS)
- ☞ Gypsum
- ☞ Fly Ash (R-10 Grade conforming to ASTM C 618)
- ☞ Lime Stone (All Sizes) - Ex-Ras Al Khaimah - UAE

Marine Equipment

- ☞ GPS for Marine Applications
- ☞ Satellite Communication equipment
- ☞ Marine Radars both X & S Band
- ☞ Marine Safety equipment like EPIRB / SART / Life Jackets etc.,
- ☞ Communication equipment like VHF / UHF / SSB / MF-HF / Marine Radios
- ☞ Inflatable Life Rafts
- ☞ Navigational equipment like Gyro Compass, Autopilot etc.,
- ☞ Marine Antenna
- ☞ Cables for Marine equipment

Foodstuff Product

- ☞ Dried Fruits
- ☞ Spices
- ☞ Pulses
- ☞ General Items



“Topken” Silica Fume



Daze has trade dealings for the distribution of “Topken” Silica Fume, a beneficial, super pozzolonic mineral additive for cement based materials like Ready mix concrete.

“Topken” Silica Fume originates from the production of silicon metal and Ferro- Silicon Alloys. The material consists of amorphous, spherical particles with bulk density of 200-300 kg/m3, and in the form of undensified Silica Fume. Through a process we will increase the bulk density of the undensified Silica Fume and the material is then produced as densified silica fume. The country of origin of “Topken” brand micro silica is from China.

“Topken” Silica Fume is manufactured with stringent quality and environmental control and it meets the mandatory requirement of the international standards. The following data sheet will give you micro silica's specification in different standards as well as the “Topken’s” Silica Fume standards.

Comparison of international Silica Fume Standards:

*The figures mentioned on the table is the mandatory chemical and physical requirement.

					
Mandatory Physical & Chemical requirements	ASTM	CEN	GB	INDIAN	TOPKEN
	American ASTM C 1240-01	Chinese GB/T18 736-2002	European prEN 13263-1	BIS	UAE LAB Result
SiO2(%)	>85.0	>85.0	>85.0	>85.0	88.4
Moisture (%)	<3.0	<3.0	<3.0	<3.0	1.1
Loss on Ignition (%)	<6.0	<4.0	<6.0	<6.0	3.1
Bulk Density (Kg/m3)					0.589
Pozzolanic Activity Index (%)	>105 at 7 Days accel. Curing		>85 at 28 Days accel. Curing		>121 at 7 Days accel. Curing
Retained on 45 Micron Sieve (%)	<10.0		<10.00		

For enquiries, please contact Daze General Trading LLC, Dubai on 009714 397 5547 or log on to www.dazetrading.com for online enquiries.

Ground Granulation Blast Furnace Slag

(GGBFS - 6699)



GGBFS and finely ground palletized slags are marketed separately to the concrete producer and used as a partial replacement for Portland cement. Replacement dosages between 5% and 70% by mass of cement material are common. Fineness, glass content and mineral constituents are generally considered to be important factors regarding the cement activity of slag.

Effects of Slag on properties of fresh and hardened concrete -

Concrete with Type IS cement or with higher dosages of GGBFS added at the mixer usually will have lower heat of hydration.

Concrete containing slag may show longer time of setting than straight Portland cement mixtures particularly for moderate and higher dosages and at lower ambient temperatures.

Increasing slag dosage is associated with lower permeability in concrete.

Concrete containing GGBFS dosages greater than 35% will give an improvement in the resistance to sulphate attack as well as suppression of alkali aggregate expansion.

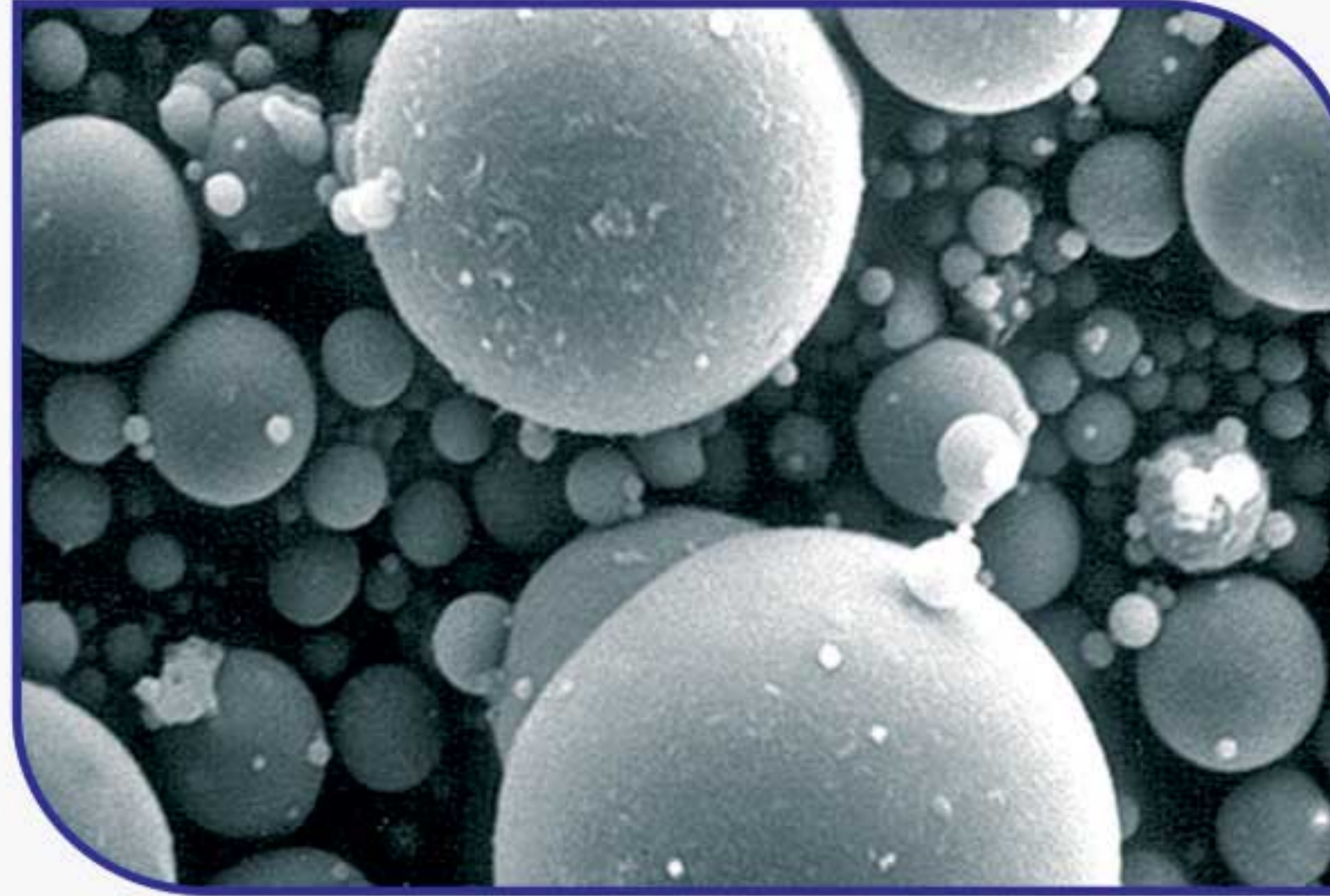
Chemical Properties of Portland Cement and Blast furnace slag -

Constituents	OPC	GGBFS
Lime (CaO)	60% - 66%	32% - 45%
Silica (SiO2)	19% - 24%	32% - 42%
Alumina (Al2O3)	3% - 8%	7% - 16%
Iron (Fe2O3)	1% - 5%	0.1% - 1.5%
Magnesia (MgO)	0% - 5%	5% - 15%

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Pulsified Fly Ash

(PFA) - ASTM C 618 - Class



Fly Ash is a fine residue resulting from the burning of powdered coal at high temperatures. The most common sources of Fly Ash are electric power generating stations. Fly Ash has become the predominant pozzolan in use throughout the world due to performance and economic factors. The main content of fly Ash is silica.

There are 2 types of Fly Ash Class F and Class C. The types are differentiated based on the sum of Silicon Dioxide (SiO_2) + Aluminium Oxide (Al_2O_3) + Iron Oxide (Fe_2O_3). If the sum of this is greater than or equal to 70% it is called Class F Fly ash and if the percentage is greater than or equal to 50% it is called Class C Fly Ash.

Economic Benefits: It replaces Portland cement up to 20 to 50%

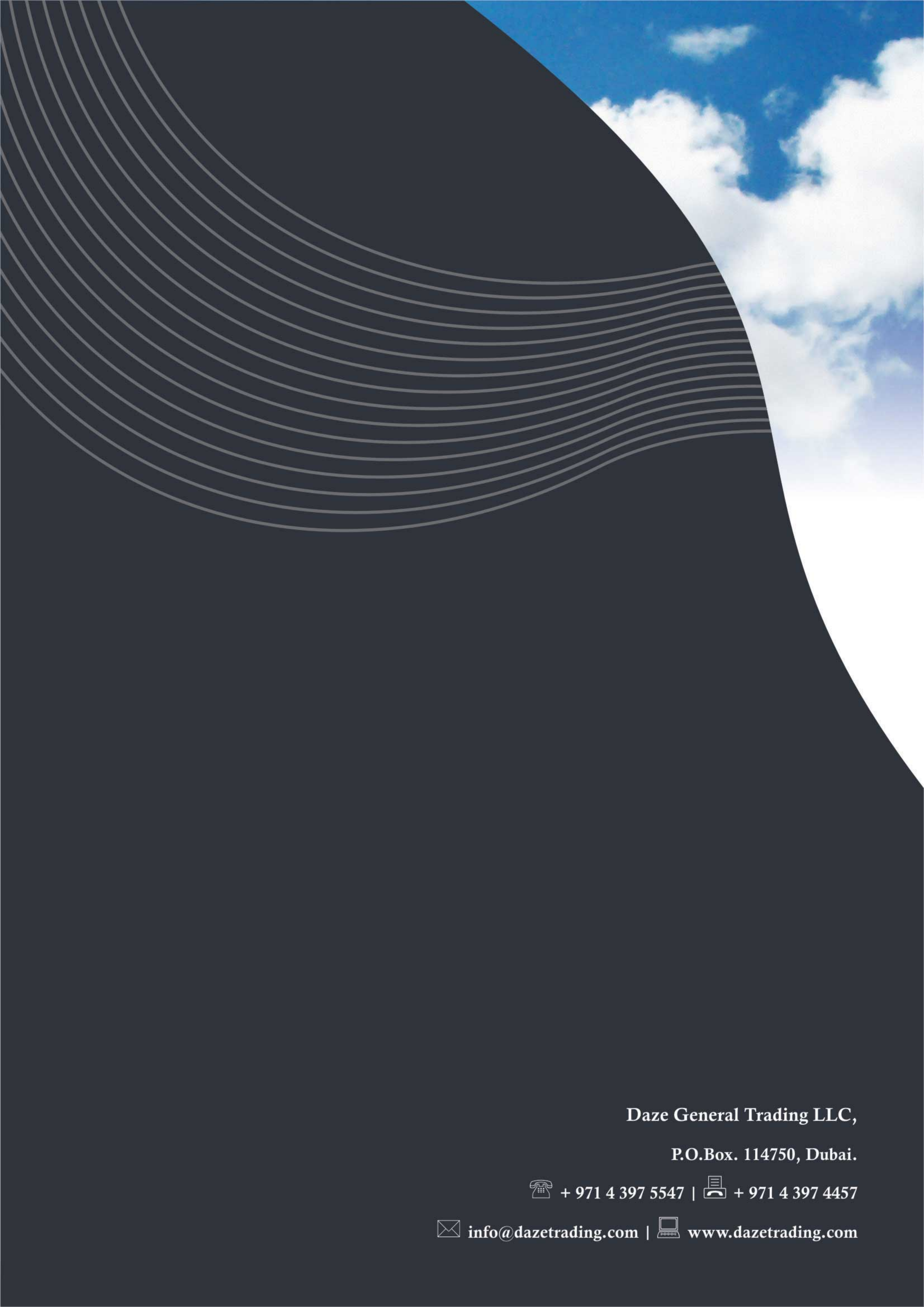
Technical Benefits on Fresh Concrete -

- ☞ Improves workability
- ☞ Improves pumpability
- ☞ Extends time of set
- ☞ Decreases bleeding
- ☞ Decreases early rate of strength gain
- ☞ Reduces heat evolution

Technical Benefits on Hardened Concrete -

- ☞ Increases strength (long term)
- ☞ Improves durability
- ☞ Decreases permeability
- ☞ Reduces alkali aggregate expansion
- ☞ Has variable effects on creep and shrinkages

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