

# Strumin® MP980

## Silica Fume Mineral Powder Admixture

### Uses

- Any construction project requiring the protection provided by highly durable, low permeability concrete
- Projects requiring high-strength/high-performance concrete
- Steel-reinforced concrete structures or wet shotcrete applications exposed to deicing or airborne salts

### Advantages

- Increased concrete service life
- Increased strength
- Increased modulus of elasticity
- Reduced permeability thereby increasing durability
- Increased resistance to sulfate attack
- Increased resistance to alkali-silica reactivity

### Standards compliance

Strumin MP980 conforms with ASTM C1240, Standard Specification for Silica Fume used in Cementitious Mixtures.

### Description

Strumin MP980 dry Powder silica fume admixture is formulated to produce extremely strong, durable concrete. Strumin MP980 silica fume admixture meets the requirements of ASTM C 1240, Standard Specification for Silica Fume used in Cementitious Mixtures

### Typical dosage

Strumin MP980 silica fume admixture is recommended for use in concrete and wet shotcrete applications at an addition dosage of 2-12% by mass of cement.

### Properties

Appearance	Light Gray Powder
Specific Gravity (kg/m <sup>3</sup> )	400-600

Structure	Amorphous
SiO <sub>2</sub> (Min%)	85
Specific Surface (m <sup>2</sup> /gr)	14-20
Bulk Density (kg/m <sup>3</sup> )	200-300
Particle Size	0.2-0.3
Appearance	Light Gray Powder

### Instructions for use

#### Compatibility:

Strumin MP980 is compatible with other STRUMIX admixtures used in the same concrete mix. All admixtures should be added to the mix separately and must not be mixed together prior to addition. The resultant properties of mixes containing more than one admixture should be assessed by the trial mix procedure recommended on this data sheet.

#### Dispensing:

The correct quantity Strumin MP980 should be measured by means of a suitably accurate device; and then added to the concrete during the mixing process either by hand, or mechanically.

#### Curing:

As with all structural concrete and sand : cement mixes, good curing practice should be maintained, particularly in situations where an overdose has occurred. Water spray, wet Hessian or a Strucure WS spray applied curing membrane should be used.

### Limitations

The use of a suitable Super plasticizer with this product is recommended.

### Packaging

Strumin MP980 is available in Big Bag (400 kg - 600 kg)

### Storage

Strumin MP980 has a minimum shelf life of 12 months

at 35°C if kept in a dry store in the original, unopened packs. The shelf life will be reduced at higher ambient temperatures.

**Precautions*****Health and safety:***

Strumin MP980 is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

***Fire:***

Strumin MP980 is non-flammable.

