



CHRYSO® Silica

Silica fume in powder

Description

CHRYSO® Silica is an ultrafine and micrometric silica from plants producing silicium .

Introduced in the concrete with hydraulic binder, **CHRYSO® Silica** behaves like a pouzzolan. Its fineness procures a huge reactivity with cement.

CHRYSO® Silica improves the cohesion and compacity of concrete. It avoids phenomena of segregation

CHRYSO® Silica:

- Improves long term strengths of concrete
- facilitates the pumping of concrete, even with low rate of cement,
- improves durability of concrete in aggressive environment
- improves freeze-thaw resistance

Characteristics

- ♦ Nature: powder
- ♦ Colour: grey
- ♦ Specific surface: $23 \text{ m}^2/\text{g} \pm 3 \text{ m}^2/\text{g}$
- ♦ Apparent density: $0.65 \text{ T}/\text{m}^3$ environ
- ♦ True density (helium pycnometer): $2.27 \text{ T}/\text{m}^3$ environ
- ♦ Silica content: $\geq 92 \%$

Packaging

Big-bag of 1 tonne
Sacks of 25 kgs

Method of use

Areas of application

- BHP and BTHP.
- Concrete in aggressive environment (Chemical and petroleum industry,...).
- High durability concrete
- Pumped concrete
- Shotcrete

Directions for use

Dosage: from 5 to 10 % of cement weight. For any other dosage, consult us.

CHRYSO® Silica must be added with the cement. A huge defloculation is necessary because of its extreme fineness (20 times finer than cement) : It is obligatory to add a superplasticizer, in mixing water or at the end of the mix, as a plasticizer.



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SAFETY

CHRYSO[®] Silica is a product classified as « harmless ». It is recommended to wear normal protective equipment.

For further information, please refer to the safety data sheet on our website www.chryso-online.com

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, under any circumstances be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with an problem encountered.

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