

CHRYSO®Serenis

Shrinkage reducing agent



DESCRIPTION

CHRYSO®Serenis is a ready-to-use shrinkage reducing admixture for concrete and mortars.

CHRYSO®Serenis reduces concrete and mortar shrinkage at early age and on the long term.

CHRYSO®Serenis does not modify the water demand of concrete, nor impacts the water-cement ratio.

CHRYSO®Serenis is compatible with new generation superplasticizers and traditional plasticizers and superplasticizers.

BENEFITS

CHRYSO®Serenis does not have a spreading effect. It reduces the capillary tensions, hence impacting the important mechanism at the origin of shrinkage.

PACKAGING

- 210 L drum
- IBC 1000L

FIELDS OF APPLICATION

CHRYSO®Serenis gives extra reliability to more sensitive concrete, by reducing the risk of cracking, curling and by enabling an increase of the distance between shrinkage joints.

- All cement types
- Ready-mix concrete
- Precast
- Industrial slabs
- Industrial floors
- Foundation concrete
- etc

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Chryso
Concrete
Solutions

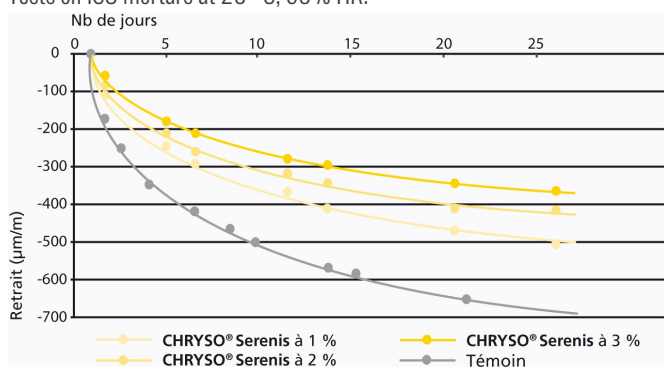
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INDICATIVE INFORMATION

Product Nature	liquid
Color	Light brown
Lifetime	12 months
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	0,920 ± 0,020

TEST SITE

Tests on ISO mortars at 20° C, 50% HR.



METHOD OF USE

0.5 to 3.0 kg for 100 kg of cement.

- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete.
- It can be added: - either within mixing water, or at the end of the mixing cycle (extra mixing time) - or gradually: part in the water before mixing, part during the mixing cycle.
- Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum of 3 minutes, at each speed).
- A 2% dosage of the product to the weight of cement is commonly used.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

PRECAUTIONS

- Protect from frost.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Use at a temperature above 0° C.

Compatibility:

- **CHRYSO®Serenis** is compatible with all types of Portland cement, class C and F fly ash, GGBS, microsilica, fibers and approved air entraining admixtures.
- **CHRYSO®Serenis** is compatible with other CHRYSO admixtures when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition.

SAFETY

CHRYSO®Serenis is not considered dangerous to handle.

Prior to any use, please read carefully the Material Safety Data Sheets.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory.

Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. www.chryso-gulf.com

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