



# CHRYSO<sup>®</sup> Serenis

# Technical Data Sheet

## Shrinkage reducing agent

### Description

**CHRYSO<sup>®</sup> Serenis** is a ready-to-use shrinkage reducing admixture for concrete and mortars.

**CHRYSO<sup>®</sup> Serenis** reduces concrete and mortar shrinkage at early age and on the long term.

**CHRYSO<sup>®</sup> Serenis** does not have a spreading effect. It reduces the capillary tensions, therefore impacting the most important mechanism at the origin of shrinkage.

**CHRYSO<sup>®</sup> Serenis** does not modify the water demand of concrete, nor impacts the water/cement ratio.

**CHRYSO<sup>®</sup> Serenis** is compatible with new generation superplasticizers and traditional plasticizers and superplasticizers.

### Characteristics

- Nature: liquid
- Colour: light brown
- Density (20° C): 0.930 ± 0.020
- Cl<sup>-</sup> ions content: ≤ 0.10%
- Na<sub>2</sub>O equivalent: ≤ 1.0%
- Active matter: > 98%

### Packaging

- Jerry can of 25 L
- Drums of 200 L
- Flo-bins of 1000 L

### Application

#### Domains of application

- All types of cement
- Ready-mix concrete
- Prefabrication
- Flooring, industrial slabs

#### Method of use

Dosage: 0.5 to 3.0 kg for 100 kg of cement or binder. A 2.0% dosage of the product of the weight of cement is commonly used.

**CHRYSO<sup>®</sup> Serenis** can be added to the mixing water.

The optimum dosage of **CHRYSO<sup>®</sup> Serenis** can only be established after trial tests, taking into account local conditions.

### Precautions

- Store away from frost, and at a temperature between 5 and 30° C.
- Should the product freeze, it will recover its properties after thawing and agitating.
- Small splashes of **CHRYSO<sup>®</sup> Serenis** may be cleaned with water. Should the product spill on coloured surfaces, these may be altered.
- Shelf life: 12 months.



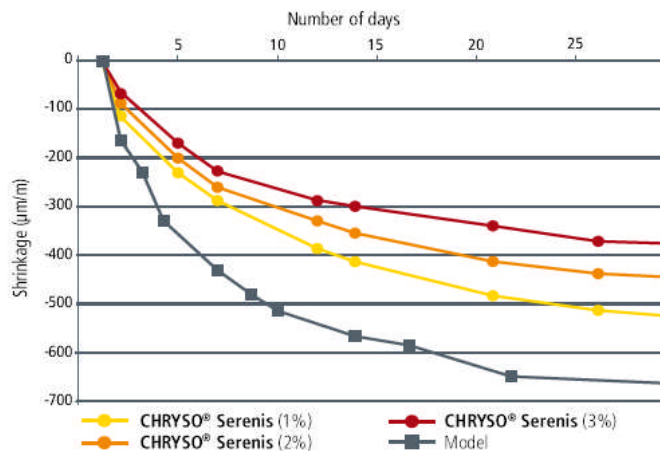
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#### Tests

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



#### Safety

This product is classified as "irritating". Handling may cause irritation by contact.

Wearing the appropriate protective equipment (safety glasses, gloves, mask and/or covering clothes) according to the exposure is essential.

Before use, please refer to the safety data sheet on our internet site [www.chryso.com](http://www.chryso.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 any problem encountered.*

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