

Chryso® Serenis

Shrinkage reducing agent

Chryso
Concrete
Solutions

20/08/2026

DESCRIPTION

Chryso®Serenis is a ready-to-use shrinkage-reducing admixture designed for concrete and mortar. It helps minimise both early-age and long-term shrinkage, improving dimensional stability and reducing the risk of cracking associated with drying and autogenous shrinkage.

Unlike admixtures that primarily influence workability, Chryso®Serenis works by reducing capillary tension within the cement matrix, targeting one of the main causes of shrinkage. The product does not alter water demand, water/cement ratio, or concrete flow characteristics, helping maintain consistent mix design performance.

BENEFITS

- Reduces early-age shrinkage
- Reduces long-term shrinkage
- Helps minimise cracking associated with drying and autogenous shrinkage
- Improves dimensional stability
- Reduces capillary tension within the cement matrix
- Maintains original water demand
- Does not alter water/cement ratio
- Does not affect concrete spreading or workability behaviour
- Compatible with modern and traditional admixture technologies

FIELDS OF APPLICATION

Chryso®Serenis is suitable for:

- Ready-mix concrete
- Precast concrete
- Industrial floor slabs
- Mortar applications requiring shrinkage reduction

Chryso®Serenis is compatible with:

- New-generation superplasticisers
- Traditional plasticisers
- Traditional superplasticisers

This makes it suitable for a wide range of concrete and mortar formulations.

METHOD OF USE

Dosage :

Typical dosage range:

- **0.5–3.0 kg per 100 kg of cement**
- A dosage of **2.0% by weight of cement or binder** is commonly used
- Add directly to the mixing water
- The optimum dosage should be determined through trial mixes using local materials and production conditions

PRECAUTIONS

- Store between **5°C and 30°C**
 - Protect from frost
 - If frozen, allow to thaw and mix thoroughly before use
- Small splashes may be cleaned with water. Care should be taken when using on coloured surfaces, as staining may occur.

SAFETY

Refer to the relevant **Safety Data Sheet (SDS)** before use. For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

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	0,930 ± 0,020

PACKAGING

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.

CHRYSO UK Ltd. - 1 Herald Way, Binley Industrial Estate, Coventry, United Kingdom, CV3

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TECHNICAL DATA SHEET

Chryso® Serenis

Shrinkage reducing agent

- 20L Container
- 215 L Barrel
- Container of 1000L

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