

TECHNICAL DATA SHEET



Chryso
Concrete
Solutions

24/06/2026

Chryso® Premia 100

High range water reducing Super plasticizing admixture



DESCRIPTION

Chryso® Premia 100 is a new-generation superplasticiser based on modified polycarboxylate polymer technology. It enables the use of very low water/cement ratios while maintaining good workability and ease of placement.

When used in concretes with higher water/cement ratios, **Chryso® Premia 100** provides exceptional fluidity, significantly improving placing and compaction, even without vibration. Its specific formulation also supports the development of high early-age strength.

BENEFITS

- Enables very low water/cement ratios while maintaining workability
- Delivers exceptional concrete fluidity for easier placement
- Reduces or eliminates the need for vibration
- Improves early-age strength development
- Supports efficient placing across a wide range of mix designs

FIELDS OF APPLICATION

- All cement types
- Ease of casting
- High early and ultimate strength
- Prestressed concrete
- Precast
- White or plain concretes
- Reinforced concrete

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Cream
Lifetime	9 months
Dry extract (EN 480-8)	30,00 % ± 1,500

The product is harmless.

SPECIFICATIONS

Cl ⁻ ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ -1,40 %
Specific gravity	1,065 ± 0,010
pH	6,50 ± 1,50
Dry Extract (SYNAD - IFSTTAR)	30,90 % ± 1,50

PACKAGING

METHOD OF USE

Dosage :

0.25 to 2.0 kg for 100 kg of cement.

- A 0.8% dosage of the product of the weight of cement is commonly used.
- This product must be added to the mixing water or at the end of the mixing cycle.
- When the product is added to fresh concrete in the mixing truck, the concrete must be mixed at high speed for **1 minute per m³**, with a **minimum total mixing time of 6 minutes**.

PRECAUTIONS

- Protect from frost.
- Avoid prolonged exposure to high temperatures.
- Store in plastic containers, PVC excluded.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- At high dosage, a slight set-retarding effect may occur with certain cements.

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to NF 085 certification, which technical specifications are those applied in the non harmonised part of NF EN 934-2.
- This product conforms to NBN-EN934-2 Belgium
- This product doesn't have any effect on the corrosion of steel in concrete (electrochemical test according to DIN V 18998:2002-11)

SAFETY

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

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

P.1/2

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- Bulk delivery on request
- IBC 1000L

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P.2/2