TECHNICAL DATA SHEET

Chryso Concrete Solutions

12/02/2026

Chryso®Premia 548

High range water reducing Super plasticizing admixture
for High Early Strength Concrete

DESCRIPTION

Chryso®Premia 548 is a new generation superplasticiser, based on modified polycarboxylate. Due to a specifically designed molecular structure, the admixture is particularly recommended for precast concrete that requires high early and long-term compressive strengths.

Chryso®Premia 548 facilitates the production of reduced viscosity concrete with extended initial consistence retention without affecting early age strength development.

These characteristics are particularly suited for extended transport and placement of concrete over large precast facilities.

Chryso®Premia 548 enables very low W/C ratios, with excellent tolerance to water addition, to be produced in the concrete at all levels of consistency. This is particularly suited to highly congested reinforcement and self-compacting concretes.

BENEFITS

- Extended consistance retention for internal handling.
- Low viscosity rheology.
- Improved compaction.
- Increased early age concrete strengths.
- Earlier demoulding times.
- Cement optimisation without strength loss.
- Robustness and tolerance to water addition.

FIELDS OF APPLICATION

Types of Application

- High, Very, & Ultra High Performance concretes
- High early strength
- Heavily reinforced precast units
- Prestressed concrete
- Plastic to fluid concretes
- Self-compacting concrete

Compatibility with Cements

- All types of cement
- Pulverised fuel ash
- Ground granulated blastfurnace slag

We recommend contacting our Technical Department for use with special cements.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Specific gravity	1,090 ± 0,020

METHOD OF USE

Dosage :

- Dosage: 0.4 to 1.2 % for 100 kg of cement.
- A 0.6 % dosage of the product of the weight of cement is commonly used. It is recommended that preliminary tests are carried out on the product to determine the optimum dosage for the intended application. Please contact our Technical Department for advice regarding initial trial dosage.
- Completely miscible in water and **must be added to the mixing water**.
- Concrete incorporating **CHRYSO® Premia 548** should be mixed thoroughly until a homogeneous mix has been achieved.

PRECAUTIONS

- Agitate the product before use.
- Store away from frost.
- Should the product freeze, it will recover its properties after thawing and agitating.

NORMATIVE AND REGULATORY INFORMATION

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlle d t esting. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted 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.uk**

Saint-Gobain Construction Chemicals UK Ltd. - Saint-Gobain House, East Leake, Loughborough, Leicestershire, United Kingdom, LE12 6JU

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PACKAGING

- BLK
- 215 L Barrel
- Container of 1000L

- High-range water reducer/Superplasticiser with UKCA and CE marking.
- Conforms to BS EN934-2 Table 3 certification, which technical specifications are those applied in the non-harmonised part of the BS EN 934-2.

SAFETY

CHRYSO® Premia 548 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 internet site www.uk.chryso.com.

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