

Chryso® Concera SA 8590

New Generation, high range water reducing/
superplasticizing admixture

DESCRIPTION

Chryso® Concera SA 8590 is a high-efficiency polycarboxylate-based superplasticiser developed for Control Flow Concrete, a highly flowable concrete produced using conventional mix designs. It provides exceptional workability retention, extreme fluidity, and resistance to segregation.

The admixture extends slump-flow life, provides high responsiveness to minimal compaction energy, and improves cohesiveness across varying moisture conditions. It is designed to produce highly workable, segregation-resistant concrete while enhancing job-site consistency.

BENEFITS

Compared to conventional concrete

- High flowability with excellent stability
- Reduced need for vibration and easier finishing
- Enhanced segregation resistance
- Minimised blocking in congested reinforcement
- Faster construction due to quicker discharge and placement
- Lower pump pressures and reduced equipment wear

Compared to self-compacting concrete (SCC)

- Lower material cost (conventional mix designs)
- Superior tolerance to moisture variation
- Reduced need for job-site QC adjustments

General product benefits

- Cost-effective production of high-performance concrete
- Reliable slump-flow consistency
- Improved cohesiveness with reduced bleeding
- Extended slump-flow retention
- Improved air-management control
- Faster and easier placement and finishing
- Can be used across a wide range of concrete types

FIELDS OF APPLICATION

- Control Flow Concrete
- Conventional mixes requiring improved workability
- High-workability concrete with segregation resistance
- Concrete with untreated slump **50–125 mm** prior to admixture addition

INDICATIVE INFORMATION

Product Nature

Liquid

METHOD OF USE

Dosage :

- Normal range: **200–1400 mL per 100 kg cementitious material**
- For higher dosages, contact Technical Support

- Produces highly workable, segregation-resistant concrete
- Typical slump-flows: **460–560 mm** (410–635 mm possible depending on materials)
- Excellent moisture fluctuation tolerance
- Extends slump-life and enhances job-site consistency
- Add separately from other admixtures
- Typically added **near the end of the batch sequence** for best performance

Contact the Technical Department for use with other admixtures or additives.

NORMATIVE AND REGULATORY INFORMATION

- **UKCA marked** and **CE marked**.
- Conforms to **BS EN 934-2** (*admixtures for concrete*), **high-range water-reducing/superplasticising admixture** category.

SAFETY

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



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Color	Brown
Cl ⁻ ions content	≤ 0,010 %
Specific gravity	1,040

Contains no added chlorides

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.

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