

# Chryso® Concera SA 8501

New Generation Superplasticizer

## DESCRIPTION

Chryso® Concera SA8501 is a high-efficiency, polycarboxylate-based superplasticiser developed for the production of **Control-Flow Concrete**. Control-Flow Concrete is a highly flowable concrete produced using conventional mix designs that requires minimal external energy to achieve proper consolidation.

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## BENEFITS

### Compared with conventional concrete:

- Produces high-flow concrete without loss of stability
- Reduces or eliminates the need for vibration
- Improves placement and finishing efficiency
- Minimises segregation and blocking through congested reinforcement
- Enables faster placement and discharge rates
- Reduces pumping pressures and equipment wear

### Compared with self-compacting concrete:

- Uses conventional mix designs to reduce material costs
- Provides superior moisture tolerance
- Delivers more consistent and predictable flow properties
- Reduces job-site quality control and adjustments

## FIELDS OF APPLICATION

Chryso® Concera SA8501 is suitable for:

- Control-Flow Concrete
- Highly flowable concrete using conventional mix designs
- Concrete placed through congested reinforcement
- Applications requiring high workability with strong segregation resistance

The product may also be used as a conventional high-range water reducer

Chryso® Concera SA8501 is compatible with most Chryso admixtures when:

- Each admixture is added **separately**
- Correct batching and sequencing practices are followed

Adding the product near the end of the batching sequence is generally recommended for optimal results.

## INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months

## METHOD OF USE

### Dosage :

Typical dosage range:

- **200 – 1,400 ml per 100 kg of cementitious material**

Dosage may be adjusted to suit a wide range of mix proportions and performance requirements. For dosages outside this range, consultation with Chryso Technical Services is recommended.

Chryso® Concera SA8501 is supplied ready for use.

- The admixture should be added towards the **end of the batching sequence** for optimum performance
- Typically added via the water holding tank discharge line
- Base concrete mixes should normally exhibit an untreated slump of **50–125 mm** prior to admixture addition

Chryso® Concera SA8501 extends slump-flow life, allowing for batch plant adjustments and predictable job-site performance.

## PRECAUTIONS

- Store and dispense above **0 °C**
- Protect from freezing

If frozen, the product will recover its properties after thawing and thorough agitation.

## NORMATIVE AND REGULATORY INFORMATION

Chryso® Concera SA8501:

- Conforms to **EN 934-2**
- Is supplied as a ready-to-use liquid admixture
- Contains **no added chlorides**.

## SAFETY

For health, safety, and environmental information, refer to the relevant **Safety Data Sheet (SDS)** prior to use.

For further information, please refer to the safety data sheet on our internet site [www.uk.chryso.com](http://www.uk.chryso.com).

## TECHNICAL DATA SHEET

# Chryso® Concera SA 8501

New Generation Superplasticizer

Chryso  
Concrete  
Solutions

24/06/2026

**Specific gravity**

1,040

### PACKAGING

- Container of 1000L
- Bulk delivery on request
- Drum 205L

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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P.2/2