

Chryso® Concera SA8080

High Range Water Reducing Admixture

DESCRIPTION

Chryso® Concera SA8080 is a high-range water-reducing admixture designed to improve concrete flowability, strength development, and durability. It is ideal for dry-cast, low-slump, and controlled flow concrete applications requiring high slump retention and resistance to segregation. This product features a unique combination of

polycarboxylate dispersants and rheology modifiers, making it well-suited for use with harsh aggregates and variable jobsite conditions.

Meets or exceeds the requirements of ASTM C494 Type A & F

ADVANTAGES

- Enhances pumpability in mixes containing harsh aggregates
- Extends slump retention for jobsite workability
- Improves finishability and form finish
- Accelerates truck turnaround and placement
- Facilitates consistent, predictable concrete performance

FIELDS OF APPLICATION

- All Cement Types
- Type IL Cement
- Ready-Mix Concrete
- Self-Consolidating Concrete
- Controlled Low-Strength Material
- Precast Concrete
- Manufactured Concrete Products

Method of Use

Dosage

- Dosage rates vary based on cement type, mix design, aggregate properties, environmental conditions, and project requirements.
 - Low slump concrete (0-2") 1-3 fl oz per 100 lbs (130–1560 mL/100 kg) of cementitious material.
 - Traditional slump concrete (3-8") 3-8 fl oz per 100 lbs (130–1560 mL/100 kg) of cementitious material.
 - High slump concrete (16-24") 8-14 fl oz per 100 lbs (130–1560 mL/100 kg) of cementitious material.
 - SCC (20-28") 10-18 fl oz per 100 lbs (130–1560 mL/100 kg) of cementitious material.
- If conditions require using more than the recommended addition rates, please consult your Chryso® representative.

Implementation

- It is recommended that the product be added near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows better performance.
- Please see [Admixture Dispenser Discharge Line Location & Sequencing for Concrete Batching Operations](#) for more information on product implementation.
- Pretesting of the concrete mix should be performed before use and as conditions and materials change in order to assure compatibility with other admixtures, and to optimize dosage rates, addition times in the batch sequencing and concrete performance.

Equipment

- This product can be automatically dispensed using a complete line of accurate and reliable dispensing equipment designed for seamless integration into concrete batching systems.

The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users.

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Complimentary Products

- Chryso® Concera SA8080 is compatible with most Chryso® admixtures as long as they are added separately to the concrete mix.
- For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent is recommended to provide suitable air void parameters for freeze-thaw resistance.
- Pretesting is recommended to verify compatibility with all mix components and ensure desired performance outcomes.
- Consult your Chryso® representative for guidance on product combinations & compatibility.

Performances

- Enables controlled flow concrete with slump flows from 16 to 25 inches (typically 18–22 inches or 460–560 mm) without segregation
- Expedites placement of dry-cast and low-slump mixes, improving machine cycle times and feed rates
- Extends slump life to accommodate batch plant and jobsite delays
- Strengthens concrete through better dispersion, compaction, and hydration
- Simplifies floating and finishing even with manufactured sands

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl⁻ Ions content	≤ 0,100 %
Specific gravity (25°C)	1,041
pH (25°C)	4,80
Freezing Point	32 °F

PRECAUTIONS

- Avoid prolonged exposure to temperatures below 32°F (0°C), as extreme conditions may affect product performance.
- If the product is exposed to freezing temperatures, gently thaw and agitate thoroughly before use.
- Do not use pressurized air for agitation.

SAFETY

Prior to any use, please read carefully the Safety Data Sheet.

PACKAGING

- Bulk
- 210 L (55 Gallons) Drum
- 1000L Tote (275 gallons)