

Chryso® Quantec SE-507

Admixtures for dry and semi-dry concrete

DESCRIPTION

Chryso® Quantec SE-507 is a specialised admixture developed for concrete mixes with **very low water content**, where high accuracy and consistency in the manufacturing process are required. It is designed to enhance dimensional stability, surface finish, and structural uniformity in low-slump and semi-dry concrete applications.

Formulated from a blend of carboxylated polyethers and synthetic surfactants, Chryso® Quantec SE-507 improves cement hydration and strength development without loss of cohesion. In optimised systems, its use can deliver **strength increases of up to 20%** at equivalent cement content. The product is manufactured under controlled conditions to ensure consistent performance.

BENEFITS

- Improves surface texture and finish
- Enhances cohesion of low-workability concrete mixes
- Improves workability and compaction
- Provides better dimensional stability during production
- Increases compressive strength (typically 20–40%)
- Reduces cracking and shrinkage
- Minimises product waste
- Supports full cement hydration

FIELDS OF APPLICATION

Chryso® Quantec SE-507 is suitable for:

- Concrete blocks (natural, lightweight, or artificial aggregates)
- Static and mobile block-making systems
- Air-cured, steam-cured, and autoclaved products
- Concrete brick presses
- Paving block production
- Extruded concrete
- Concrete tile manufacture
- Low-workability concrete systems using vibro-compression or press technologies

Chryso® Quantec SE-507 can be used with:

- All types of Portland cement
- Cement replacement materials

For use with special cements, consultation with Chryso Technical Services is recommended.

Chryso® Quantec SE-507 must not be premixed with other admixtures.

The presence of other chemical admixtures may affect performance. Consultation with Chryso Technical Services is recommended when combined systems are considered.

INDICATIVE INFORMATION

Product Nature

Liquid

METHOD OF USE

Dosage :

Typical dosage range:

- 400 – 700 ml per 100 kg of cement**

For best results, preliminary trials should be carried out using actual mix constituents to determine the optimum dosage.

Chryso® Quantec SE-507 is supplied ready for use.

- Add to the mix **at the same time as the mixing water**
- Suitable for zero-slump and low-slump concrete systems where improved compaction and reduced efflorescence are required

PRECAUTIONS

- Store above **0 °C**

- Protect from frost

If the product freezes, emulsion stability may be irreversibly damaged.

SAFETY

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

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

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Color	Clear-Light Amber
Lifetime	6 months
Cl ⁻ ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 1,50 %
Specific gravity	1,090 ± 0,020

PACKAGING

- Drum 205L
- Bulk delivery on request

ADDITIONAL INFORMATION

- Overdosing in semi-dry mixes may result in excessive plasticity
 - Edge slumping of masonry units may occur
 - A reduction in compressive strength may be observed
- Concrete should be carefully assessed in its plastic state if overdosing is suspected.