

Chryso® Adva 635

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Adva 635 is a high-performance liquid superplasticiser developed for ready-mixed concrete applications where high consistence and extended slump retention are required. In addition to its superplasticising effect, it provides improved consistence life compared with conventional superplasticisers, even when used with challenging cement types.

Based on next-generation modified synthetic carboxylated polymers, Chryso® Adva 635 also improves concrete cohesion and is particularly suited to mixes containing manufactured sands. The product is manufactured under controlled conditions to ensure consistent quality and performance and conforms to **EN 934-2**.

BENEFITS

- Produces high-consistence concrete with excellent rheology
- Enhanced consistence retention compared with standard superplasticisers
- Enables low water/cement ratio concrete
- Minimal impact on setting time at recommended dosages
- Improved concrete cohesion
- Enhanced pumpability
- Suitable for use with manufactured sands
- Compatible with mixes containing fly ash, GGBS, or silica fume
- Dose-efficient performance

FIELDS OF APPLICATION

Chryso® Adva 635 is suitable for:

- Ready-mix concrete
- High-consistence concrete requiring extended workability
- Concrete produced with manufactured sands

The product is compatible with most Portland cements and is effective in concretes containing fly ash or ground granulated blastfurnace slag (GGBS). For use with special cements, consult Chryso Technical Services.

Chryso® Adva 635 must not be premixed with other admixtures.

- All admixtures should be added separately into the concrete mix
- The presence of other chemical admixtures may affect performance

Consult Chryso Technical Services when using combined admixture systems.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Yellow-Amber
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,060

METHOD OF USE

Dosage :

Typical dosage range:

- **400 – 1,200 ml per 100 kg of cement**
- Equivalent to **0.40 – 1.20%** by weight of cement

As a guide for initial trials, an addition rate of **0.50 – 0.70%** by weight of cement is recommended. Optimum dosage depends on mix design, materials, and performance requirements.

Chryso® Adva 635 is supplied ready for use.

- Add the admixture with part of the batching water after the addition of cementitious materials
- After addition, a further mixing cycle of **at least two minutes** is recommended to ensure full dispersion

Automatic dispensing equipment is preferred to ensure accurate and consistent dosing.

PRECAUTIONS

- Protect from frost.
- Protect from heat.
- Store in a dry place, away from light and any source of heat.

NORMATIVE AND REGULATORY INFORMATION

Conforms to **EN 934-2**.

SAFETY

For health, safety, and environmental information, refer to the relevant Safety Data Sheet.

Standard chemical handling precautions apply. Avoid contact with skin and eyes. Suitable personal protective equipment should be worn.

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

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Air Entrainment

1.0%

PACKAGING

- 15L Container
- Bulk delivery on request

ADDITIONAL INFORMATION

The effects of overdosing depend on the degree of overdose.

- Increased consistence may occur and segregation may be induced at high dosage levels
- Extended setting times may occur, particularly in low temperatures or when using sulphate-resisting cements or cement replacement materials

If overdosing is suspected, the concrete should be carefully assessed in its plastic state, with particular attention to consistency and cohesiveness before determining suitability for use.