

Chryso® Adva 650

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Adva 650 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 prolonged workability, making it particularly suitable for long or difficult concrete pours.

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BENEFITS

- Produces high-consistence concrete with excellent rheology
- Enhanced consistence retention compared with standard superplasticisers
- Suitable for long or complex pours
- Enables high-consistence flowing concrete with low water/cement ratios
- Minimal impact on setting time at recommended dosages
- Compatible with mixes containing fly ash, GGBS, or silica fume
- High water reduction contributes to increased compressive strength, impermeability, and durability

FIELDS OF APPLICATION

Chryso® Adva 650 is suitable for:

- Ready-mix concrete
- High-consistence and flowing concrete
- Concrete requiring extended workability retention

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 650 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

For combined admixture systems, consultation with Chryso Technical Services is recommended.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Yellow-Amber
Lifetime	12 months
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,060

METHOD OF USE

Dosage :

Typical dosage range:

- **500 – 1,300 ml per 100 kg of cement**
- Equivalent to **0.50 – 1.30%** by weight of cement

As a guide for initial trials, an addition rate of **0.40 – 0.70%** by weight of cement is recommended. Optimum dosage depends on mix design, materials, and performance requirements.

Chryso® Adva 650 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 effective dispersion

Automatic dispensing equipment is preferred for accurate and consistent dosing.

PRECAUTIONS

- Protect from frost.
- Protect from heat.
- Store in a dry place, away from light and any source of heat.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

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%
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PACKAGING

- 15L Container
- Bulk delivery on request
- Container of 1000L

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 ambient 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.