

Chryso® Adva 633

High Range Water Reducing Admixture

DESCRIPTION

Chryso® Adva 633 is a high-performance superplasticiser developed for ready-mixed concrete applications where **robustness, cohesion, and production reliability** are key requirements. It provides high-range water reduction while maintaining stable fresh concrete behaviour across variable materials and site conditions.

Based on advanced modified synthetic carboxylated polymers, Chryso® Adva 633 enhances cement dispersion and mix homogeneity, supporting consistent quality in demanding applications. The product is manufactured under controlled conditions to ensure reliable performance and conforms to **EN 934-2**.

BENEFITS

- Delivers high-range water reduction for improved strength performance
- Enhances concrete cohesion, reducing segregation and bleeding
- Produces stable, homogeneous concrete across variable materials
- Supports reliable placing and finishing behaviour
- Improves pumpability and handling characteristics
- Maintains controlled and predictable setting behaviour
- Particularly suited to mixes containing manufactured sands
- Dose-efficient performance across a wide application range

FIELDS OF APPLICATION

Chryso® Adva 633 is suitable for:

- Ready-mix concrete
- General construction concrete
- Structural concrete requiring high cohesion
- Concrete produced with manufactured or challenging aggregates

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 633 must not be premixed with other admixtures.

- Each admixture 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

PACKAGING

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 should be determined through trials using actual materials and site conditions.

Chryso® Adva 633 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 uniform dispersion

Automatic dispensing equipment is preferred for accurate and consistent dosing.

PRECAUTIONS

- Store away from extremes of temperature
 - Protect from frost
 - Keep containers sealed and out of direct sunlight
- If frozen, allow the product to thaw completely and remix thoroughly before use.

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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Chryso
Concrete
Solutions

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- 15L Container
- Drum 205L
- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

The effects of overdosing depend on the degree of overdose.

- Increased consistence and cohesion may occur
- Excessive dosage may induce segregation or extended setting times, particularly in cold conditions

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