

Chryso® Adva XR 3005

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Adva XR 3005 is a high-performance superplasticiser developed for ready-mixed concrete applications where extended consistence retention is required in addition to high water reduction. It is suitable for a wide range of applications, particularly where placement involves difficult or inaccessible pours.

Based on next-generation modified synthetic carboxylated polymers, Chryso® Adva XR 3005 improves concrete cohesion while delivering advanced dispersion and rheology control. The product is manufactured under controlled conditions to ensure consistent quality and conforms to **EN 934-2**.

BENEFITS

- Provides excellent consistence retention
- Produces high-consistence concrete with improved rheology
- Enables flexible dosage for water reductions typically between **10–30%**
- Improves cohesion, particularly for complex placements
- Minimal impact on setting time
- Suitable for mixes containing fly ash, GGBS, or silica fume
- High water reduction improves strength, impermeability, and durability
- Dose-efficient performance

FIELDS OF APPLICATION

Chryso® Adva XR 3005 is suitable for:

- Ready-mix concrete
- High-consistence and flowing concrete
- Concrete placed in difficult or restricted access locations

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

Chryso® Adva XR 3005 must not be premixed with other admixtures.

- Each admixture must be added separately
- Performance may be affected by the presence of other chemical admixtures

Consult Chryso Technical Services when using combined admixture systems.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Straw-yellow
Lifetime	12 months
Cl ⁻ ions content	< 0,100 %

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 confirmed through trials using actual materials.

Chryso® Adva XR 3005 is supplied ready for use.

- Add with part of the batching water after the addition of cement
- After addition, a further mixing cycle of **approximately 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 fully 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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Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,055
Air Entrainment	1.0%

PACKAGING

- 15L Container
- Container of 1000L
- 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
- Extended setting times may occur, particularly in cold conditions or with sulphate-resisting cements

Where overdosing is suspected, the concrete should be assessed in its plastic state, focusing on consistency and cohesiveness before use.