

Chryso® Adva XR 3022

Consistency control Admixture

DESCRIPTION

Chryso®Adva XR 3022 is a high-performance superplasticiser developed for ready-mixed concrete applications where **extended consistence retention** is required in addition to high-range water reduction. It is suitable for a wide range of concretes and is particularly effective where improved cohesion and workability are needed for difficult or inaccessible pours.

Based on next-generation modified synthetic carboxylated polymer technology, Chryso®Adva XR 3022 enhances cement dispersion and rheological control, delivering reliable and consistent concrete performance. The product is manufactured under controlled conditions and conforms to **EN 934-2**.

BENEFITS

- Provides high-range water reduction
- Delivers extended consistence (slump) retention
- Produces high-consistence concrete with excellent rheology
- Improves concrete cohesion, reducing segregation risk
- Allows flexible dosing to achieve water reductions of **10–30%**
- Minimal impact on setting time
- Enhances compressive strength, impermeability, and durability
- Dose-efficient performance

FIELDS OF APPLICATION

Chryso®Adva XR 3022 is suitable for:

- Ready-mix concrete
- High-consistence and flowing concrete
- Concretes requiring extended workability retention
- Applications involving congested reinforcement or limited access

The product is compatible with most Portland cements and is effective in concretes containing fly ash, GGBS, or silica fume. For special cements, consult Chryso Technical Services.

Chryso®Adva XR 3022 must not be premixed with other admixtures.

- Each admixture must be added separately into the concrete mix
- 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	Dark yellow to amber
Lifetime	12 months
Cl ⁻ ions content	≤ 0,010 %

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 and site conditions.

Chryso®Adva XR 3022 is supplied ready for use.

- Add with part of the batching water after the addition of cementitious materials
- After addition, a further mixing cycle of **approximately two minutes** is recommended to ensure effective 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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Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,055
Air Entrainment	1.0%

PACKAGING

- 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 may occur and segregation may be induced
- Extended setting times may occur, particularly in cold conditions or when using sulphate-resisting cements or cement replacement materials

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