

## Chryso® Adva 122

High performance water reducing admixture

### DESCRIPTION

Chryso® Adva 122 is a high-range water-reducing admixture designed for use in a wide variety of concrete applications. It provides neutral and predictable setting characteristics while delivering significant improvements in concrete finishing, placement, and compaction efficiency.

Based on a synthetic carboxylated polymer with powerful deflocculating properties, Chryso® Adva 122 can be used across a broad dosage range to reduce water content, reduce cement content, increase compressive strength, or increase concrete consistence. The product is manufactured under controlled conditions and conforms to **EN 934-2**.

### BENEFITS

- Produces high-slump concrete with excellent efficiency
- Improves concrete cohesion and pumpability
- Neutral and predictable retardation characteristics
- Enhances finishing characteristics and productivity
- Enables high-range water reduction
- Contributes to increased compressive strength
- Improves impermeability and concrete durability
- Versatile, multi-role admixture

### FIELDS OF APPLICATION

Chryso® Adva 122 is suitable for:

- General ready-mix concrete
- Concrete requiring improved workability and finish
- Applications needing flexible water or cement reduction

The product is compatible with most Portland cements and is effective in concretes containing fly ash or ground granulated blastfurnace slag (GGBS).

Chryso® Adva 122 is compatible with Chryso admixtures normally used in concrete production.

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

Consult Chryso Technical Services for combined admixture systems.

### INDICATIVE INFORMATION

|                                      |                  |
|--------------------------------------|------------------|
| Product Nature                       | Liquid           |
| Color                                | Brown            |
| Lifetime                             | 12 months        |
| Cl <sup>-</sup> Ions content         | < 0,100 %        |
| Equivalent Content Na <sub>2</sub> O | ≤ 1,50 %         |
| Air Entrainment                      | Approx. 1.0-2.0% |

### 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 **0.60 – 0.80%** by weight of cement is recommended. Optimum dosage should be determined through site trials using actual materials.

Chryso® Adva 122 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 **at least 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

### 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](http://www.uk.chryso.com).

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Chryso  
Concrete  
Solutions

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### 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
- Setting times may increase, particularly in low temperatures or when using sulphate-resisting cements or cement replacement materials

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