

Chryso® AdvaFlow 340

New Generation, high range water reducing/
superplasticizing admixture

DESCRIPTION

Chryso®AdvaFlow 340 is a high-performance, high-efficiency superplasticiser developed to impart extremely high consistence and enable the production of self-compacting concrete (SCC). It is designed to deliver excellent flow characteristics while maintaining concrete stability.

Based on next-generation modified synthetic carboxylated polymers, Chryso®AdvaFlow 340 provides the benefits of advanced admixture technology. The product is manufactured under controlled conditions to ensure consistent quality and conforms to **EN 934-2**.

BENEFITS

- Enables production of high-flow and self-compacting concrete
- Achieves very high consistence at normal water contents
- Excellent flow and compaction around reinforcement without blocking
- Improves pumpability and workability
- Allows high-range water reduction
- Enhances compressive strength, impermeability, and durability
- Neutral setting characteristics
- Suitable for precast factory applications

FIELDS OF APPLICATION

Chryso®AdvaFlow 340 is suitable for:

- Self-compacting concrete (SCC)
- High-flow concrete
- Precast concrete applications

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®AdvaFlow 340 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	Dark yellow to amber
Lifetime	12 months
Cl ⁻ Ions content	< 0,100 %
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,060

METHOD OF USE

Dosage :

Typical dosage range:

- 300 – 1,000 ml per 100 kg of cement**
- Equivalent to **0.30 – 1.00%** 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 confirmed by trials using actual materials.

Chryso®AdvaFlow 340 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 to ensure 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.

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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 when using sulphate-resisting cements or cement replacement materials

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