

Chryso® Adva XR 3619

New Generation, high range water reducing/
superplasticizing admixture

DESCRIPTION

Chryso® Adva XR 3619 is a high-performance superplasticiser designed for ready-mixed concrete applications requiring extended consistence retention and improved workability. It performs especially well with difficult aggregates, enhancing the concrete's rheology, cohesion and pumpability. The admixture is based on next-generation modified synthetic carboxylated polymers, enabling superior dispersion and supporting improved cement hydration and strength development.

This product is suitable for a wide range of mix designs, including those containing fly ash, GGBS or silica fume, and has minimal influence on setting time under typical conditions. Chryso® Adva XR 3619 allows producers to achieve consistent high-quality concrete even under challenging material or environmental constraints. Manufactured under controlled conditions, it conforms to EN 934-2.

BENEFITS

- Specially formulated for difficult materials to produce concrete with **improved cohesion and pumpability**.
- Enhances **placement and compaction** properties for improved **surface finish quality**; supports superior dispersion and **strength enhancement** with suitable mix designs.
- Provides **extended consistence life** relative to normal superplasticisers, even with difficult cements.
- **Minimal impact on setting time** under typical dosage and conditions.
- **Compatible with supplementary cementitious materials** such as fly ash, GGBS and silica fume in appropriate mix designs.

FIELDS OF APPLICATION

- **Ready-mix concrete** requiring high range water reduction with consistence retention.
- Mixes using **difficult aggregates** where cohesion and rheology improvements are needed.
- Concretes incorporating **fly ash, GGBS or silica fume**.

Compatibility with cements

- Suitable for **most Portland cements**. For special cements, seek technical advice.
- Effective in concrete containing **fly ash** or **ground-granulated blast-furnace slag**.

Compatibility with Admixtures

- Do **not premix** with other admixtures; add each separately. Performance can be affected by other chemicals.

INDICATIVE INFORMATION

Product Nature

Liquid

METHOD OF USE

Supplied ready for use.

For high-consistence or low w/c ratio concrete, add **Chryso® Adva XR 3619** with part of the batching water, **after** the cementitious components. Mix a further **~2 minutes** after addition to ensure full dispersion. **Automatic dispensing** is preferred; dispensing equipment/advice available from Technical Service.

Addition Rates (guidance):

400–1200ml per 100kg cement (0.40–1.20% v/w by wt. of cement). For trials, **0.60–0.80%** is suggested, with site validation to optimise for actual materials and performance (cohesiveness, consistence retention, set, early/ultimate strength, shrinkage where relevant).

PRECAUTIONS

- Protect from temperature extremes and frost; keep out of direct sunlight.

NORMATIVE AND REGULATORY INFORMATION

- Conforms to **EN 934-2** (water-reducing / superplasticising admixtures).
- CE and UKCA Marked.

SAFETY

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

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Color	Yellow-Amber
Lifetime	12 months
Cl ⁻ Ions content	≤ 0,010 %
Equivalent Content Na ₂ O	1,00 %
Specific gravity	1,060
Air Entrainment	1.0%

PACKAGING

- 10L Container
- 5L Container
- 20L Container
- 215 L Barrel
- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

Overdosing increases consistence; high levels may induce segregation and can **increase setting time**, especially at low temperature and/or with SRPC or cement replacements. Evaluate plastic properties carefully before use.