

Chryso® Daracem 216

Multi-Range Water Reducing Admixture

Chryso
Concrete
Solutions

03/09/2026

DESCRIPTION

Chryso® Daracem 216 is a high-efficiency mid- to high-range plasticising admixture specifically developed for ready-mixed concrete. It provides water reductions of between **15–25%** or can be used to increase concrete workability across a wide range of mix designs, resulting in improved plastic and hardened concrete properties.

Based on modified synthetic carboxylated polymers, Chryso® Daracem 216 also improves concrete cohesion, making it particularly beneficial for difficult, congested, or inaccessible pours. The product conforms to **EN 934-2** and is manufactured under controlled conditions to ensure consistent performance.

BENEFITS

- Provides mid- to high-range water reduction
- Delivers water reductions of up to 25%
- Increases compressive strength through lower water/cement ratios
- Produces highly workable concrete
- Improves concrete cohesion
- Enhances pumpability and placement
- Minimal impact on setting time compared with traditional MRWR products
- Suitable for a wide variety of ready-mix concrete applications

FIELDS OF APPLICATION

Chryso® Daracem 216 is suitable for:

- Ready-mix concrete
- Pumped concrete
- High-workability concrete
- Congested reinforcement applications
- Difficult or inaccessible pours
- Concrete requiring improved cohesion and placement characteristics

Chryso® Daracem 216 is compatible with:

- All cement types
- Limestone cements
- Fly ash blends
- Ground granulated blastfurnace slag (GGBS) concretes

Chryso® Daracem 216 should **not be premixed** with other admixtures.

The performance of the product may be affected by the presence of other chemicals.

For use with special cements and use with other admixtures, consultation with Chryso Technical Services is recommended.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Dark brown

METHOD OF USE

Dosage :

Typical dosage range:

- **500–1100 ml per 100 kg of cement**
- Equivalent to **0.50–1.10% by weight of cement**

Trial dosage:

- **0.7% by weight of cement** is recommended as a starting point for trials.

- Supplied ready for use
- Add with part of the batching water after the addition of the cementitious materials
- For normal to high consistence concrete, use in its supplied form
- Introduction via independent automatic dispensing equipment is recommended
- Optimum dosage should be determined through site trials using actual materials and conditions

PRECAUTIONS

- Store away from extreme heat and cold
- Keep in shaded storage conditions

SAFETY

Refer to the relevant **Safety Data Sheet (SDS)** before use.

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

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Lifetime	12 months
Specific gravity	1,120
Air Entrainment	1.0%

PACKAGING

- 215 L Barrel
- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

Overdosing may result in:

- Increased workability
- Potential segregation
- Extended setting times

Setting delays may be more pronounced at low temperatures or when using sulphate-resisting cement or cement replacement materials.

When overdosing is suspected, the concrete should be assessed for consistency and cohesiveness before use.