TECHNICAL DATA SHEET

Chryso Concrete Solutions

07/05/2026

Chryso®Mira 75

Mid-Range Water Reducing Admixture

DESCRIPTION

Chryso®Mira 75 is a high-performance mid-range water reducing admixture for use in a wide range of ready-mixed concrete applications under all seasonal conditions. Used across a broad dosage range, it can reduce water demand, increase compressive strength, improve workability, or optimise cement content to enhance mix efficiency.

Manufactured under controlled conditions to ensure consistent quality and performance, Chryso®Mira 75 conforms to EN 934-2 and delivers reliable results across varied concrete mix designs.

BENEFITS

- Exceptional ultimate compressive strength performance
- Effective water reduction across a wide range of cement contents
- Excellent consistence retention
- Produces plasticised and high-consistence concrete at increased dosages
- Predictable and controlled retardation characteristics
- Compatible with GGBS and fly ash concretes
- Improves cement efficiency and mix economics
- Aids cohesion and homogeneity of concrete
- Versatile, multi-role admixture suitable for numerous applications

FIELDS OF APPLICATION

- Suitable for **ready-mix** and **general construction concrete**
- Effective in concretes containing **fly ash** and **GGBS**
- Compatible with **most Portland cements**
- Compatible with other **Chryso admixtures** when added separately
- For special cements or combined chemical systems, consult **Chryso Technical Services**

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Dark brown
Cl^- Ions content	< 0,100 %
Equivalent Content Na_2O	< 3,00 %
Specific gravity	1,180
Air Entrainment	1.0-2.0%

METHOD OF USE

Dosage :

Typical dosage range:

- 400 – 800 ml per 100 kg of cement
- Equivalent to 0.40 – 0.80% by weight of cement

As a guide for initial trials, an addition rate of 0.50% by weight of cement is recommended. The optimum dosage depends on the concrete mix design, materials used, and desired performance.

Chryso®Mira 75 is supplied ready for use.

- When producing high consistence concrete, the admixture should be added in its supplied form with part of the batching water after the addition of the cement.
- After addition, a further mixing cycle of at least two minutes is recommended to ensure efficient dispersion of the mix constituents.

Automatic dispensing equipment is preferred to ensure accuracy and consistency. Advice on dispensing systems can be obtained from Chryso.

Implementation :

PRECAUTIONS

- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Protect from frost.
- Protect from heat.
- Store in a dry place, away from light and any source of heat.

SAFETY

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

chryso SAINT-GOBAIN

Chryso®Mira 75

Mid-Range Water Reducing Admixture

PACKAGING

- Bulk delivery on request
- Container of 1000L

ADDITIONAL INFORMATION

- Increasing dosage:
  - Improves concrete **consistence**
  - Increases **retardation of set** in a controlled manner
- Significant overdosing (especially in cold conditions) may:
  - Cause extended setting times
  - Still achieve **equal or higher ultimate strength** when properly cured
- If overdosing is suspected:
  - Assess concrete in the **plastic state**
  - Pay particular attention to **consistency and cohesiveness** before use
  - Consult **Chryso Technical Services**