

Chryso® Mira 88

Mid-Range Water Reducing Admixture

DESCRIPTION

Chryso® Mira 88 is a mid-range water-reducing admixture developed for use in a wide range of concrete applications under all seasonal conditions. It can be used across a broad dosage range to reduce water content or to increase concrete consistence, providing flexibility in mix design.

Formulated from carefully selected blends of synthetic and naturally derived raw materials, Chryso® Mira 88 acts as a powerful deflocculant to improve concrete performance. The product is manufactured under controlled conditions to ensure consistent quality and conforms to **EN 934-2**.

BENEFITS

- Delivers high ultimate compressive strength across a wide range of cement contents
- Provides excellent consistence retention
- Produces plasticised and high-consistence concrete at increased dosages
- Predictable and controlled retardation characteristics
- Compatible with fly ash and GGBS concretes
- Improves cement efficiency and mix economics
- Enhances concrete cohesion
- Versatile, multi-role admixture

FIELDS OF APPLICATION

Chryso® Mira 88 is suitable for:

- Ready-mix concrete
- General construction concrete
- Concrete requiring improved workability or controlled water reduction

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® Mira 88 is compatible with Chryso admixtures commonly used in concrete production.

- Each admixture must be added separately
- The presence of other chemical admixtures may affect performance

Consult Chryso Technical Services when using combined admixture systems.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Dark brown
Lifetime	12 months
Cl ⁻ ions content	< 0,100 %

METHOD OF USE

Dosage :

Typical dosage range:

- **300 – 800 ml per 100 kg of cement**

- Equivalent to **0.30 – 0.80%** by weight of cement

As a guide for initial trials, an addition rate of **0.40%** by weight of cement is recommended. The optimum dosage should be established through trials using actual materials and site conditions.

Chryso® Mira 88 is supplied ready for use.

- Add the admixture with part of the batching water after the addition of cement
- Do not add directly to dry cement
- Normal mixing times are sufficient, except when producing high-consistence concrete on site
- When added at site prior to placing, mix for a **minimum of two minutes** to ensure uniform dispersion

Automatic dispensing equipment is preferred for accurate dosing.

PRECAUTIONS

- Store away from extremes of temperature
- Protect from frost
- Keep containers sealed and out of direct sunlight

If frozen, allow the product to thaw completely and remix thoroughly before use.

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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Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity	1,125
Air Entrainment	1.0%

PACKAGING

- 15L Container
- Container of 1000L
- Bulk delivery on request

ADDITIONAL INFORMATION

Increasing dosage will increase concrete consistence and retardation of set. These effects are generally controlled within the recommended dosage range.

Significant overdosing, particularly in cold weather, may lead to extended setting times. When properly cured, overdosed concrete will generally achieve equal or higher ultimate strength. Suspected overdosing should be assessed in the plastic state, with particular attention to consistency and cohesiveness.