

Chryso® Mira 52

Mid-Range Water Reducing Admixture

DESCRIPTION

Chryso® Mira 52 is a Mid-Range water-reducing admixture formulated to improve production economics and concrete performance. It develops significantly greater later-age strengths than traditional mid-range water reducers and provides powerful deflocculating action.

The admixture supports wide-ranging concrete applications and is effective with Portland cement, fly ash and GGBS systems. It enhances consistence retention, improves cohesion and enables optimised cement contents while delivering predictable set behaviour and strong ultimate strength performance.

BENEFITS

- Delivers exceptional ultimate compressive strength across a wide range of cement contents
- Imparts excellent consistence retention
- Produces plasticised and high-consistence concrete at increased dosages
- Exhibits predictable retardation characteristics
- Compatible with GGBS and fly ash concretes
- Supports cement economy through reduced cement requirements
- Improves cohesion of concrete mixes
- Multi-role capability for versatile applications

FIELDS OF APPLICATION

- Suitable for a wide range of general and high-performance concrete applications
- Effective with Portland cement, fly ash, and GGBS-based mix designs

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 3,50 %
Specific gravity	1,205
Air Entrainment	1.0 - 2.0 %

PACKAGING

- 15L Container
- Bulk delivery on request

ADDITIONAL INFORMATION

- Increasing dosage within the recommended range increases

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

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METHOD OF USE

- Supplied ready for use.
- Add in its supplied form with part of the batching water after cement addition.
- Mix for a minimum of **2 minutes** after addition to ensure full dispersion.

Dosage:

- **400–800 ml per 100 kg cement** (0.40–0.80% v/w)
- **Suggested trial dosage:** 0.50% by weight of cement
- Optimum dosage determined through site trials

Implementation :

- Compatible with other Chryso admixtures when added separately.
- Performance may vary when multiple chemical admixtures are used; consult Technical Services where needed.
- For use with special cements, consult Chryso Technical Services.

PRECAUTIONS

- Avoid skin or eye contact; wear appropriate PPE
- Refer to the Safety Data Sheet for full handling guidance

NORMATIVE AND REGULATORY INFORMATION

Chryso® Mira 52 conforms to IS EN 934-2.

SAFETY

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



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consistence and set retardation, particularly when cement replacement materials are used.

- Overdosing, especially in cold conditions, may further retard set; however, properly cured concrete will typically achieve higher ultimate strength.
- Any planned or suspected overdose should be discussed with Technical Services, and the concrete's consistency and cohesiveness should be checked in its plastic state before use.