

MIRA® 95

Mid-Range Water Reducing Admixture

DESCRIPTION

MIRA® 95, a polycarboxylate-based mid-range water-reducing admixture, is manufactured under rigorous quality control to ensure uniform, predictable performance. The product does not contain added calcium chloride, weighs approximately 8.6 lbs/gal (1.03 kg/L), and meets the requirements of ASTM C494 Type A and F.

MIRA® 95 mid-range water reducer admixture is developed to deliver superior water reduction over a range of dosage rates by dispersing cement agglomerates more efficiently within the concrete matrix. The superior dispersion capability it produces concrete with significantly improved early and ultimate compressive strength while maintaining near neutral set times. The linear dose water reduction capability of MIRA® 95 mid-range water reducer also produces less permeable, more durable concrete.

ADVANTAGES

- Linear water reduction
- Superior strength performance
- Neutral set times
- Superior workability and finishability
- Improved performance with pozzolans

FIELDS OF APPLICATION

MIRA® 95 mid-range water reducer is recommended for use with a wide range of concrete slumps where superior finishing characteristics is desired, particularly in commercial and residential flatwork, and formed concrete applications.

Method of Use

Dosage

- Addition rates may be varied to achieve the desired water reduction and set time. Typically, addition rates can vary from 2–15 fl oz/100 lbs (130–1000 mL/100 kg), but will typically range from 6-12 fl oz/100 lbs (390-780 mL/100 kg) of cementitious materials. Addition rates may vary depending on materials, job conditions and desired performance characteristics. Please consult your GCP Applied Technologies representative for information and assistance.

Equipment

- A complete line of accurate, automatic dispensing equipment is available.

Complimentary Products

- MIRA® 95 mid-range water reducer is compatible with most admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line. However it is not recommended for use in concrete containing naphthalene-based admixtures including DARACEM® 19 and DARACEM® 100. In general, it is recommended that the product be added to the concrete mix near the end of the batch sequence for optimum performance.
- Please see [Technical Bulletin TB-0110](#), *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. For optimum performance, MIRA® 95 mid-range water reducer should not come in contact with any other admixture before or during the batching process. Different sequencing may be used if local testing shows better performance.
- Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent (such as DARAVAIR® or DAREX® product lines) is recommended to provide suitable air void

The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users.

TECHNICAL DATA SHEET

MIRA® 95

Mid-Range Water Reducing Admixture

Chryso
Concrete
Solutions

10/30/2024

parameters for freeze-thaw resistance.

CHARACTERISTICS

Product Nature	Liquid
Color	Colourless to light yellow
Shelf life	12 months
Cl⁻ ions content	< 0,100 %
Specific gravity (25°C) in g/ml	1,034
pH (25°C)	4,70

PACKAGING

- Bulk
- 275 gallon tote
- 55 gallon drum

ADDITIONAL CERTIFICATIONS & MARKINGS

- Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.
- The mid-range water-reducing admixture shall be manufactured to meet all the requirements of *Specification for Chemical Admixtures for Concrete*, ASTM Designation C494 as a Type A and Type F admixture.
- The admixture shall be delivered as a ready-to-use, liquid product and shall not contain added calcium chloride. It shall be used in strict accordance with manufacturers' recommendations.

PRECAUTIONS

- The product will begin to freeze at approximately 25°F (-4°C) but will return to full strength after thawing and thorough agitation. In storage and for proper dispensing, the temperature should be maintained above 32°F (0°C).

SAFETY

Prior to any use, please read carefully the Safety data Sheet.

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