

# MIRA® 95

## Mid-Range Water Reducing Admixture

### DESCRIPTION

**MIRA® 95** is a polycarboxylate-based mid-range water-reducing admixture specifically formulated to meet the needs of the concrete industry. It is developed to deliver superior water reduction across a range of dosage rates by efficiently dispersing cement agglomerates within the concrete matrix.

This superior dispersion capability results in concrete with significantly improved early and ultimate compressive strength, while maintaining near-neutral set times and producing less permeable, more durable concrete.

**Meets or exceeds the requirements of ASTM C494 Type A & F**

### ADVANTAGES

- Enables linear water reduction
- Promotes superior strength performance
- Maintains neutral set times
- Provides superior workability & finishability
- Improves performance with pozzolans

### FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Ready-Mix Concrete
- Post Tensioned and Prestressed Concrete
- Self Consolidating Concrete (SCC)

### Method of Use

#### Dosage

- MIRA® 95 addition rates can vary with type of application, but will normally range from 2 to 15 fl oz/100 lbs (130 to 1000 mL/100 kg) of cementitious.
- In most instances, the addition of 6 to 12 fl oz/100 lbs (390 to 780 mL/100 kg) of cementitious will be sufficient.
- Should conditions require using more than the recommended addition rates, please consult your CHRYSO® representative.

#### Additional Usage Recommendations

- Ideal 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.

#### Implementation

- In general, it is recommended that MIRA® 95 be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows better performance.
- Please see [Technical Bulletin TB-0110](#), *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations.
- Pretesting of the concrete mix should be performed before use and as conditions and materials change in order to assure compatibility with other admixtures, and to optimize dosage rates, addition times in the batch sequencing and concrete performance.

#### Equipment

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

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.

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### Complimentary Products

- MIRA® 95 is compatible with most CHRYSO® admixtures as long as they are added separately to the concrete mix. However, MIRA® 95 products are not recommended for use in concrete containing naphthalene based admixtures and melamine-based admixtures.
- For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent is recommended to provide suitable air void parameters for freeze-thaw resistance.

### CHARACTERISTICS

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

### PRECAUTIONS

- In storage, and for proper dispensing, product should not experience prolonged exposure below 25°F (-4°C)
- Product will begin to freeze at approximately 32°F (0°C), but will return to full strength after thawing and thorough agitation.

### SAFETY

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

### PACKAGING

- Bulk
- 1000L Tote (275 gallons)
- 210 L (55 Gallons) Drum