

ZYLA® 630

Normal Water Reducing Admixture

DESCRIPTION

ZYLA® 630 is a water-reducing admixture with a proprietary formulation of highly purified specialty organic chemicals designed to promote more complete hydration of Portland cement.

It is specially developed to work synergistically with polycarboxylate-based mid-range and high-range water reducers, enhancing finishability for flatwork applications.

Meets or exceeds the requirements of ASTM C494 Type A & D

ADVANTAGES

- Enhances workability & finishability
- Reduces water content
- Maintains concrete air content without alteration
- Compatible with polycarboxylate-based admixtures

FIELDS OF APPLICATION

- All Cement Types
- Precast Concrete
- Ready-Mix Concrete
- Post Tensioned & Prestressed Concrete
- Normal & Lightweight Concrete

Method of Use

Dosage

- ZYLA® 630 addition rates can vary with type of application, but will normally range from 2 to 7 fl oz/cwt (130 to 455 mL/100 kg) of cementitious materials.
- In most instances, the addition of 3 to 5 fl oz/cwt (195 to 325 mL/100 kg) of cementitious materials will be sufficient.
- Should conditions require using more than the recommended addition rates, please consult your CHRYSO® representative.

Implementation

- In general, it is recommended that ZYLA® 630 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.

Complimentary Products

- ZYLA® 630 is compatible with most CHRYSO® admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line.
- 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.

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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Performances

- Provides better control over water reduction and setting times compared to traditional lignin-based water reducers.
- Delivers synergistic performance with polycarboxylate-based mid-range and high-range water reducers, enhancing water reduction, concrete strength, and air control.
- Improves compressive and flexural strengths of hardened concrete at all ages compared to traditional lignin-based water reducers.
- Produces concrete mixes with lower water content (typically reducing by 3% to 10%), greater plasticity, and higher compressive strengths.
- Enhances concrete finishability by providing a creamier, more homogeneous texture and a uniform bleed rate compared to traditional lignin-based water reducers.
- Improves the finishability of lean mixes, ensuring smooth, close-tolerance surfaces when floated and troweled, either by machine or hand.

CHARACTERISTICS

| | |
|---------------------------------|-----------|
| Product Nature | Liquid |
| Color | Brown |
| Shelf life | 9 months |
| Cl ⁻ Ions content | < 0,100 % |
| Specific gravity (25°C) in g/ml | 1,096 |
| pH (25°C) | 9,80 |

PRECAUTIONS

- Product will begin to freeze at approximately 28°F (-2°C), but will return to full capabilities after thawing and thorough agitation.
- Do not use pressurized air for agitation.

SAFETY

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

PACKAGING

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