

ADVA® XT2

High Range Water Reducing Admixture

DESCRIPTION

ADVA® XT2 is a time-activated polycarboxylate-based admixture that enhances workability, including slump and flow. When used with standard, mid-range, or high-range water reducers, it significantly increases the duration of slump or flow retention.

Meets or exceeds the requirements of ASTM C494 Type A

ADVANTAGES

- Provides flexible slump retention through adaptable dosing.
- Increases slump life with minimal impact on set times.
- Allows better control of operational costs by adjusting slump life retention as needed during the initial dosage adjustment.
- Eliminates the need for re-tempering with water at the job site.
- Improves workability at job sites, resulting in easier placement.

FIELDS OF APPLICATION

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

Method of Use

Dosage

- ADVA® XT2 can vary with the type of application and the desired slump specifications, but will range from 2 to 10 oz/100 lbs (130 to 650 mL/100 kg) of cementitious as an extended slump life admixture.
- In most instances, the addition of 4 to 6 oz/100 lbs (260 to 390 mL/100 kg) of cementitious will be sufficient.
- At higher dosage rates, some water may have to be removed from the mix to maintain plastic concrete cohesion.
- Should conditions require using more than the recommended addition rates, please consult your CHRYSO® representative.

Additional Usage Recommendations

- Specifically intended for use where extended workability with minimal time of setting extension is desired without compromising plastic or hardened concrete properties.

Implementation

- In general, it is recommended that ADVA® XT2 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.
- 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.

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Complimentary Products

- ADVA® XT2 is compatible with most CHRYSO® admixtures as long as they are added separately to the concrete mix. However, ADVA® 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.

Performances

- Produces concrete with consistent slump properties while providing the degree of workability necessary to provide easy placement and consolidation.
- Eliminates the need for re-tempering at job sites to achieve the desired workability.
- For concrete performance information using ADVA® XT2, please see Technical Bulletin TB-0609

CHARACTERISTICS

Product Nature	Liquid
Color	Brown
Shelf life	12 months
Cl ⁻ Ions content	< 0,100 %
Specific gravity (25°C)	1,065
pH (25°C)	5,00

PACKAGING

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

PRECAUTIONS

- In storage, and for proper dispensing, product should not experience prolonged exposure below 32°F (0°C) nor above 132°F (55°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.