

SPECIALTY ADMIXTURES

Master Format #: 03 30 00 03 40 00 03 70 00

VISCTROL™

VISCOSITY MODIFYING ADMIXTURE



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Packaged in 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails

SHELF LIFE

6 months in original, unopened container

SPECIFICATION/COMPLIANCES

ASTM C494 Type S

TECHNICAL INFORMATION

Appearance: medium viscosity, dark brown liquid which will not discolor concrete

DESCRIPTION

VISCTROL is a ready to use liquid admixture designed to modify the viscosity of self consolidating concrete. When VISCTROL is used in conjunction with superplasticizing admixtures, 18 - 28 inches (460 - 710 mm) diameter spreads are achieved without segregation or lowering compressive strengths. VISCTROL contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Greatly reduces or eliminates bleeding or segregation
- Evenly disperses aggregates within mix
- Eliminates need for vibration
- Provides superior slump retention
- Eliminates segregation during pumping
- Easily measured with admixture dispensing equipment

PRIMARY APPLICATIONS

- Self-consolidating concrete

PRECAUTIONS/LIMITATIONS

- Agitate VISCTROL before use.
- Do not allow material to freeze.
- Air entraining agents must be added first, insuring adequate air void system when air is required.
- If slump increase is desired, the HRWR must be added after VISCTROL to insure an adequate air void system.
- Set retardation may occur with the use of this product when dosages exceed 15 oz/yd³ (576 mL/m³).
- In all cases, consult the Safety Data Sheet before use.

DIRECTIONS FOR USE

Batching Sequence: The batching sequence in a SCC system is critical to optimize performance of each admixture introduced. Laboratory data has shown the following order of addition to be effective:

1. Air Entraining Agent (optional)
2. Water Reducers
3. Accelerator or Retarder (optional)
4. VISCTROL
5. HRWR added at the end of the batching sequence

Note: VISCTROL can be added at the end of the batching sequence on a limited basis to correct a slight bleeding or segregation problem.

Dosages of VISCTROL will vary widely depending on w/cm ratio and the gradation of the materials used. Consult your Euclid Chemical representative for appropriate dosing suggestions. Typically, 1 - 12 oz/yd³ (39 - 470 mL/m³) should be used to control bleeding and segregation in SCC when polycarboxylate HRWR are used. Variables such as water/cement ratio, sand gradations and mix design play an important role. Trial mixes should be run to optimize dosing requirements. With higher water/cement ratios, lower total fines in SCC mixes, and use of naphthalene based HRWR, dosages of VISCTROL could be as high as 20 oz/yd³ (775 mL/m³).

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