



EUCLID CHEMICAL

# VISCTROL

## VISCOSITY MODIFYING ADMIXTURE

### 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" to 28" (460 to 710 mm) diameter spreads are achieved without segregation or lowering compressive strengths.

### PRIMARY APPLICATIONS

- Self consolidating concrete

### 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 metered with admixture dispensing equipment

### TECHNICAL INFORMATION

**Appearance:** VISCTROL is a medium viscosity, dark brown liquid which will not discolor concrete.

### PACKAGING

VISCTROL is 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

### SPECIFICATIONS/COMPLIANCES

- Meets ASTM C 494 Type S Admixture

## 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/c ratio and the gradation of the materials used. Consult your Euclid Chemical representative for appropriate dosing suggestions. Typically, 1 to 12 oz/yd<sup>3</sup> (39 to 470 mL/m<sup>3</sup>) 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/yd<sup>3</sup> (775 mL/m<sup>3</sup>).

## 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 the addition of VISCTROL to insure an adequate air void system.
- Set retardation may occur with the use of this product when dosages exceed 15 oz/yd<sup>3</sup> (576 mL/m<sup>3</sup>).
- In all cases, consult the Safety Data Sheet before use.

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