VISCTROL - IN

VISCOSITY MODIFYING ADMIXTURE

EUCLID CHEMICAL

DESCRIPTION

VISCTROL is a ready to use liquid admixture designed to modify the viscosity of self-consolidating concrete. When VISCTROL - IN is used in conjunction with superplasticizing admixtures, 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 - IN is a medium viscosity, Pale yellow to dark brown liquid which will not discolor concrete.

PACKAGING / YIELD

VISCTROL - IN is packaged in 220 kg HDPE drums, 20 Kg HDPE Pails and 5 Kg HDPE Jerry Cans.

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 - IN
5. HRWR added at the end of the batching sequence

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Note: VISCTROL - IN 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 - IN 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, 40-500 ml/50kgs 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 VISCTROL – IN could be high.

PRECAUTIONS/LIMITATIONS

- Agitate VISCTROL - IN 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 - IN to insure anadequate air void system.
- In all cases, refer the Safety Data Sheet before use.

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