COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3904-15

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 711.02.01.00

FOR INTERNAL CDOT USE

Material code description full name: Concrete, Admixture

PART 1

Product name: Visctrol

Product category: Concrete\Admixture\Specific Performance

Product representative (name & address):
Attn: Brian Lewis
The Euclid Chemical Company
19320 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 692-8305 FAX: (216) 531-9399

Manufacturer (name & address):
Attn: Brian Lewis
The Euclid Chemical Company
19320 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 531-9222 FAX: (216) 531-9596

Web-site address: www.euclidchemical.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

Visctrol is a ready to use liquid admixture designed to modify the viscosity of self-consolidating concrete. When Visctrol is used in conjunction with super-plasticizing admixtures, 18" to 28" (460 to 710 mm) diameter spreads are achieved without segregation or lowering compressive strengths.

Dosages of Visctrol will vary widely depending on w/c ratio and the gradation of the materials used. Consult your Euclid Chemical representitive for appropriate dosing suggestions. Typically, 1 to 12 oz/yd³ (39 to 470 mL/m³) should be used to control bleeding and segregation in SCC when polycarboxylate HRWR are used.

Restrictions, (installation and/or use):

• Do not allow material to freeze. • Set retardation may occur with the use of this product when dosages exceed 15 oz/yd3 (576 mL/m3).

Use of the product, (be specific to CDOT highway activities only):

• Self-consolidating concrete

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

• Eliminates need for vibration saving time and money.
• Greatly reduces or eliminates bleeding or segregation.
• Provides superior slump retention.
• Eliminates segregation during pumping.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- [x] CDOT : Standard Specification, Subsection 711.03
- [x] ASTM : C494, Type S
- [x] AASHTO : M194
- [ ] FHWA :
- [ ] other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : TEC Services (July 3, 2014)
- [x] other : TEC Services (February 16, 2012) - Segregation Testing

State DOT Approvals, (current documentation required):

NJ, OR, PA, UT, WV

Sample submitted: [ ] yes [x] no [ ] n/a

Materials Safety Data Sheets (MSDS): [x] yes [ ] no [ ] n/a

Notes/Additional Comments

Shelf Life - 6 months in original, unopened container.
• 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.
• Agitate Visctrol before use.