COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3899-15

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: Eucon AWA

Product category: Concrete\Admixture\Miscellaneous (Anti-Washout Admixture)

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.)

Eucon AWA is a ready to use liquid admixture designed to prevent the loss of cement and fine aggregate during the placement of underwater concrete.
Eucon AWA is a blend of different powerful ingredients and colloidal agents that act primarily on the water preventing the cement paste from washing out during casting under water.
Eucon AWA provides superior slump retention while greatly reducing the environmental impact due to cement wash out in below water applications.
Eucon AWA is packaged in 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails.
Eucon AWA meets ASTM C 494 Type S.

Restrictions, (installation and/or use):

• Do not allow material to freeze • Significant set retardation may occur with the use of this product

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

• Underwater bridge repair • Dam repair below the waterline • Underwater grouting and mortar application

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

• Eliminates the need for expensive de-watering during underwater construction
• Minimal environmental impact due to cement washout
• Greatly reduces or eliminates concrete bleed water
• Superior slump retention

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 :
- [x] other : Army Corps of Engineering CRD-C-661-06 - Specification for Anti-washout Admixtures for Concrete (February 16, 2012)

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 (2-16-2012) - Segregation Testing, TEC Services (2-16-2012) - Army Corps of Engineering CRD-C-661-06 - Spec. for Anti-washout Admixtures for Concrete

State DOT Approvals, (current documentation required):

AL, CA

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.
• Superplasticizers must be used to increase slump after the addition of Eucon AWA
Additional uses: • Damming underground rivers/lakes in mining operations • Anti-segregation aid for use with lightweight and heavyweight aggregates
• Reduction or elimination of concrete bleed water for use with fast track construction.