COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2370-10

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 SPJ

Product category: Concrete\Admixture\Water-Reducing, High Range

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
19218 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 SPJ - (Superplasticizer) A high solids polycarboxylate based high range water-reducing admixture which enables concrete to be produced with very low water to cement ratios. Eucon SPJ produces flowable and self-consolidating concrete at low doses and can obtain up to 45% water reduction. Eucon SPJ does not contain added chlorides and will not promote corrosion in steel. Eucon SPJ is compatible with air entraining agents, micro-silica, accelerators and many other admixtures; however, each material should be added to the concrete separately.

- Fully complies with the requirements of ASTM C 494, Types F admixtures.
- Complies with the requirements of AASHTO M 194.

Restrictions, (installation and/or use):

Care should be taken to maintain Eucon SPJ above freezing; however, freezing & subsequent thawing will not harm the material if thoroughly re-agitated.

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

- High performance concrete • Negative slump concrete • SCC • High early strength concrete • Precast/prestressed concrete • High slump, flowable concrete

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

- Produces low water content and low water/cement ratio concrete allowing higher strengths
- Produces flowing concrete with quicker stripping strengths
- Aids in concrete placement and reduces labor cost
- When used in precast work with Type I and Type III cements, Eucon SPJ will produce very high early strengths

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

- [x] CDOT : Standard Specifications 711.03
- [x] ASTM : C 494, Type F
- [x] AASHTO : M 194, Type F
- [ ] FHWA :
- [ ] other :

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

- [x] NTPEP-AASHTO : CADD-2010-01-015
- [ ] FHWA :
- [x] other : TEC Services (August 30, 2010)
- [ ] other :

State DOT Approvals, (current documentation required):

MD, NY, NC, TN, TX, VA

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

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

Notes/Additional Comments

A sample is available upon request at no cost to the DOT or customer.