COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2371-15

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: Plastol SPC (previously: Eucon SPC)

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
Web-site address: http://www.euclidchemical.com

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: http://www.euclidchemical.com

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

Plastol SPC - High Range Water Reducer - Superplasticizer, a polycarboxylate based high range water-reducing admixture which enables concrete to be produced with very low water to cement ratios. Plastol SPC produces flowable and self-consolidating concrete at low doses and can obtain up to 45% water reduction. Plastol SPC does not contain added chlorides and will not promote corrosion in steel. Plastol SPC is compatible with air-entraining agents, microsilica, accelerators and many other admixtures; however, each material should be added to the concrete separately.

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

Restrictions, (installation and/or use):

Care should be taken to maintain Plastol SPC above freezing; however, freezing and subsequent thawing will not harm material if thoroughly re-agitated.

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

• High performance concrete • High slump, flowable concrete • Heavily reinforced concrete • High early strength concrete • Precast/prestressed 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 SPC 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, Section 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-2014-01-026
- [ ] FHWA :
- [x] other : American Engineering Testing, Inc. (May 28, 2015)
- [x] other : TEC Services (November 21, 2014)

State DOT Approvals, (current documentation required):

KS, OH, TN, TX, WA

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.
This Form #595 is updated as of 2/23/2015.