COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2788-13

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, Admixtures

PART 1

Product name: Eucon LW

Product category: Concrete\Admixture\Water-Reducing

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

Web-site address: www.euclidchemical.com

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

Eucon LW - An aqueous solution of refined lignosulfonate, polymer and other water reducing and plasticizing chemicals. Eucon LW has no added chlorides and will not promote the corrosion of steel. Eucon LW is a water-reducing, normal-set admixture for concrete which provides a more plastic, cohesive mix in fresh concrete and better durability, reduced shrinkage and less permeability in the hardened concrete.

Eucon LW meets or exceeds the requirements of:

- ASTM C 494, Type A
- AASHTO M 194

Eucon LW is typically used at dosages of 3 to 10 oz per 100 lbs (200 to 650 mL per 100 kg) of cementitious material. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials being used.

Restrictions, (installation and/or use):

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

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

• Ready mixed concrete • Prestressed concrete • Precast concrete • General purpose concrete • Lightweight concrete

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

- Provides easier handling and finishing
- Increases strength
- Provides increased durability
- Reduces shrinkage and permeability

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 A
- [x] AASHTO : M 194, Type A
- [ ] FHWA :
- [ ] other :

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

- [x] NTPEP-AASHTO : CADD-2010-01-028
- [ ] FHWA :
- [x] other : TEC Services (April 26, 2013)
- [ ] other :

State DOT Approvals, (current documentation required):

AZ, KY, MN, NC, OK, TX

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.