COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3190-15

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: Plastiment ES

Product category: Concrete\Admixture\Water-Reducing & Retarding

Product representative (name & address):
Attn: Steven Calhoun
Sika Corporation
9929 Silvermaple Road
Highland Ranch, CO 80129
Phone: (719) 641-8533 FAX: (303) 646-1337

Manufacturer (name & address):
Attn: Nate Artman
Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: (330) 495-0109 FAX: (201) 933-6225

Web-site address: www.usa.sika.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Plastiment ES is a water-reducing and retarding admixture that meets the requirements of ASTM C 494/AASHTO M 194 Types B and D. Plastiment ES is recommended when a controlled delay in set time or increase in slump life of concrete is desired. Use of Plastiment ES provides a superior surface finish.

Restrictions, (installation and/or use):
Plastiment ES should be stored at above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state.

Use of the product, (be specific to CDOT highway activities only):
Plastiment ES can be utilized in concrete for flatwork, as well as in horizontal or vertical slipform placements.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Plastiment ES improves slump life and delays set time of concrete. Plastiment ES slows down the rate of cement hydration reaction and controls concrete temperature; therefore, provides more time for proper placement and finishing of concrete without cold joints in hot weather conditions. In flatwork applications, Plastiment ES improves workability, controls bleeding, and provides a superior surface finish.

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 : C 494 Type D
- [x] AASHTO : M 194 Type D
- [ ] FHWA :
- [ ] other :

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

- [x] NTPEP-AASHTO : AET / CADD-2014-01-004; 6 month interim (Report dated November 12, 2014; mix dates April 2014)
- [ ] FHWA :
- [x] other : TEC Services (April 22, 2010)
- [x] other : American Engineering Testing, Inc. (November 12, 2014) - Interim Report

State DOT Approvals, (current documentation required):

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

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

Notes/Additional Comments
Sample available upon request.