COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2705-15

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: Sika ViscoCrete-4100 (previously Sika ViscoCrete 4100)

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

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.)
Sika ViscoCrete-4100 is a high range water reducer and superplasticizer that meets the requirements of ASTM C 494/AASHTO M 194 Types A and F. Sika ViscoCrete-4100 utilizes Sika ViscoCrete Technology. Sika ViscoCrete-4100 can be used in both precast and ready mix concrete applications for the production of SCC (Self Consolidating Concrete) as well as conventional slump concrete.

Restrictions, (installation and/or use):
Sika ViscoCrete-4100 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):
Sika ViscoCrete-4100 can be used in both precast and ready mix applications and is especially effective for production of SCC.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
When Sika Viscocrete-4100 is used as a high range water reducing admixture, water reduction up to 40% can be obtained. The superplasticizing action allows for the production of high slump flowing concrete with excellent workability and extended slump retention that can be placed with minimum vibration even at a low water/cement ratio. At lower dosages, Sika ViscoCrete-4100 is effective as a mid range water reducing admixture for production of conventional slump concrete. The broad range of water reducing capabilities allows Sika ViscoCrete-4100 to be used for many different applications.

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

- ☒ CDOT : Standard Specification, Subsection 711.03
- ☒ ASTM : C 494, Types A & F
- ☒ AASHTO : M 194, Types A & F
- ☐ FHWA :
- ☐ other :

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

- ☒ NTPEP-AASHTO : Scheduled to be tested in April of 2017
- ☐ FHWA :
- ☒ other : TEC Services (April 15, 2013)
- ☐ other :

State DOT Approvals, (current documentation required):

Sample submitted: ☐ yes ☒ no ☐ n/a

Materials Safety Data Sheets (MSDS): ☒ yes ☐ no ☐ n/a

Notes/Additional Comments
Sample available upon request.