COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3241-10

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 708.08.01.00

FOR INTERNAL CDOT USE

Material code description full name: Paint, Structural Concrete Coating

PART 1

Product name: TPS XV	Product category: Paint/Coating\Concrete Corrosion Inhibitor\NA
Product representative (name & address): Attn: John Lee Surtreat Holding LLC 741 Eagle St. Aurora, CO 80012 Phone: (720) 290-3559 FAX:	Manufacturer (name & address): Attn: Surtreat Holding LLC 437 Grant St. / 1210 Frick Building Pittsburgh, PA 15219 Phone: (412) 281-1202 FAX: (412) 281-1282
Web-site address: www.surtreat.com	Web-site address: www.surtreat.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
TPS XV is a water dispersion of a solid organic amine salt-based vapor phase migratory corrosion inhibitor. It is designed to be used as an admixture to reinforced concrete to inhibit rebar corrosion. Inhibits both the anodic and cathodic steel corrosion processes.

Its performance has been verified using ASTM G-109 that was developed for evaluating corrosion inhibitor admixtures. However, no CTR to confirm this.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Inhibit rebar corrosion on new bridge decks and support structures and other reinforced concrete structures being built by CDOT.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
TPS XV will extend the life of reinforced concrete structures that are exposed to corrosive environments such as deicing salt.

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

- ☐ CDOT :
- ☒ ASTM : G-109
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Al Futtaim Bodycote Materials Testing Services, LLC (04-02-2006)
- ☒ other : Elzly Technology Corporation (August 2007)

State DOT Approvals, (current documentation required):

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

Notes/Additional Comments
Surtreat will supply TPS XV and technical support for a demonstration project with corrosion monitoring.
TPS XV is a water dispersion of the same active ingredient in TPS XII that has been in use as a corrosion inhibitor for 10 years.