COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2702-16

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: ZYLA® 610

Product category: Concrete\Admixture\Water-Reducing

Product Representative (name & address):
Attn: Alla Cannon
GCP Applied Technologies Inc.
62 Whittemore Ave.,
Cambridge, MA 02140
Phone: (617) 498-2639 E-mail: alla.y.cannon@gcpat.com
Web-site address: www.gcpat.com

Manufacturer (name & address):
Attn: Alla Cannon
GCP Applied Technologies Inc.
62 Whittemore Ave.,
Cambridge, MA 02140
Phone: (617) 498-2639 E-mail: alla.y.cannon@gcpat.com
Web-site address: www.gcpat.com

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

ZYLA® 610 water-reducing admixture is a proprietary formulation incorporating highly purified specialty organic chemicals. ZYLA 610 promotes more complete hydration of Portland cement and has no effect on concrete air entrainment.
The ZYLA product line of water reducers is specially formulated to have a synergistic effect with polycarboxylate-based mid-range and high-range water reducers that improve flat-work finishability. This product does not contain intentionally added chloride and as such is essentially chloride free. It is manufactured under rigid controls that provide uniform, predictable performance.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
ZYLA 610 is used to produce concrete mixes with lower water content (typically 3% to 10% reduction), greater plasticity and higher compressive strengths.

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

- No impact on concrete air content.
- Better control of water reduction and setting times as compared to traditional lignin-based water reducers.
- Synergistic performance of polycarboxylate-based mid-range and high-range water reducers, which includes water reduction and concrete strength and air control.

Specifications: (listing those applicable is required)

- [x] CDOT : Standard Specifications, Section 711.02.01
- [x] ASTM : C 494, Type A
- [x] AASHTO : M 194, Type A
- [ ] FHWA :
- [ ] other :

[x] Certificate of Compliance (COC) provided [ ] Certificate of Verification (COV) provided for select categories ONLY

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report** (CTR) provided to validate all claims.

- [x] NTPEP-AASHTO : CADD 2013-01-003 (A)
- [ ] FHWA :
- [x] other : TEC Services (November 11, 2014)
- [ ] other :
- [ ] other :

State DOT Approvals, (current documentation required): Re-submittal Cycle: 4 years

Sample submitted: [ ] yes [x] no [ ] n/a Safety Data Sheets (SDS): [x] yes [ ] no [ ] n/a

Alternate Product Category:
Additional Comments:

State DOT Approvals referenced without current documentation: none
Previous corporate name was W.R. Grace & Co.