COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2149-16

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: Daravair® 1400

Product category: Concrete\Admixture\Air Entraining

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.)

Daravair® 1400 is a liquid air-entraining admixture that provides freeze-thaw resistance, yield control, and finishability performance across the full range of concrete mix designs. Daravair 1400 is a clean, light-orange product designed to generate specification-quality air systems. Based on a high-grade saponified rosin formulation, Daravair 1400 is chemically similar to vinsol-based products, but with increased purity and supply dependability.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Daravair 1400 may be used wherever the purposeful entrainment of air is required by concrete specifications.

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

- Rapid air build suitable for short mix cycles
- Can be used in wide spectrum of mix designs

Specifications: (listing those applicable is required)

- [x] CDOT : Standard Specifications, Section 711.02
- [x] ASTM : C 260
- [x] AASHTO : M 154
- [ ] 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 # 2014-01-076 (C 260)
- [ ] FHWA :
- [x] other : American Engineering Testing, Inc. (December 1, 2015)
- [ ] 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.