COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3808-14

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: ADVA 390

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

Product representative (name & address):
Attn: Bill Hart
W. R. Grace & Co.
367 Saxony Road
Johnston, CA 80534
Phone: (303) 304-0241 FAX:

Manufacturer (name & address):
Attn: Denise White
W. R. Grace & Co.
62 Whittemore Avenue
Cambridge, MA 02140
Phone: (617) 498-4555 FAX:

Web-site address: www.grace.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
ADVA 390 is a liquid, high-range, water reducing admixture for concrete. ADVA 390 is a high efficiency, low addition rate polycarboxylate based high-range, water reducer designed for the production of a wide range of concrete mixes, from conventional to Self Consolidating Concrete. It is designed to impart extreme workability without segregation to the concrete.

Restrictions, (installation and/or use):
ADVA 390 is compatible with most Grace admixtures as long as they are added separately to the concrete mix.

Use of the product, (be specific to CDOT highway activities only):
Typically a plant added superplasticizer that is formulated to impart improved workability to the concrete and to achieve high early compressive strength.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Provides concrete with high levels of workability without segregation.
Provides improved finishability and surface finishes.
Excellent entrained air quality.
Provides significantly higher strengths and normal set time.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):
- [x] CDOT : Standard Specifications Section 711
- [x] ASTM : C 494 Type F
- [x] AASHTO : M 194 Type F
- [ ] FHWA :
- [ ] other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):
- [x] NTPEP-AASHTO : 2014-01-047
- [ ] FHWA :
- [x] other : TEC Services (10-17-2014)
- [ ] other :

State DOT Approvals, (current documentation required):
California, North Carolina

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

Notes/Additional Comments
A sample can be provided at no cost.
Revised Safety Data Sheet provided.