COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3791-16

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

Material code: 601.02.14.00

FOR INTERNAL CDOT USE

Material code description full name: Concrete, Grout

PART 1

Product name: RA Grout

Product category: Concrete\Grout\General Purpose [Non-Shrink]

Product Representative (name & address):
Attn: Andrew Beaty
US SPEC
112 South Santa Fe Drive
Denver, CO 80223
Phone: (303) 778-7227 E-mail: abeaty@usmix.com
Web-site address: www.usspec.com

Manufacturer (name & address):
Attn: Andrew Beaty
US Mix Co.
112 South Santa Fe Drive
Denver, CO 80223
Phone: (303) 778-7227 E-mail: abeaty@usmix.com
Web-site address: www.usmix.com

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

RA Grout is a high flow, non-aggregate, non-shrink anchoring grout made with a blend of specialty cements and proprietary admixtures. This material is designed to provide maximum flow, shrinkage compensation and extended working times in an aggregate free formulation where clearances are minimal. RA Grout is non-metallic and non-corrosive. RA Grout reaches a compressive strength of 4,500 psi at 1 day, 9,000 psi at 7 days and 12,000 psi at 28 days. RA Grout has a bond strength of 1,800 psi at 28 days per ASTM C882.

Restrictions, (installation and/or use):
Maintain contact areas between 40°F and 90°F prior to grouting and during initial curing period.

Use of the product, (be specific to CDOT highway activities only):
RA Grout can be used to grout tight clearances, anchor bolts, soil nails, rock and ground anchors, dowels, etc.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Extreme fluidity: can be pumped into areas that are virtually inaccessible with standard non-shrink grouts. Extended working time for maximum pumping range as well as thixotropic. Attains high strengths and encapsulates tendons, bolts, or bars to protect from corrosion. Locally manufactured and readily available at advantageous prices.

Specifications: (listing those applicable is required)

- ☐ CDOT :
- ☑ ASTM : C1107
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

☐ 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.

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☑ other : Nelson Testing Laboratories (February11, 2016)
- ☐ other :
- ☐ other :

State DOT Approvals, (current documentation required): ID, NC, OR

Re-submittal Cycle: 4 years

Sample submitted: ☐ yes ☑ no ☐ n/a

Safety Data Sheets (SDS): ☑ yes ☐ no ☐ n/a

Alternate Product Category:
Additional Comments: