COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3910-15

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

Material code: 601.09.01.00

FOR INTERNAL CDOT USE

Material code description full name: Concrete, Patching Material

PART 1

Product name: V/O Patch

Product category: Concrete\Repair/Patching\Rapid Set, Vertical & Overhead

Product representative (name & address):
Attn: Andrew Beaty
US SPEC
112 South Santa Fe Drive
Denver, CO 80223
Phone: (303) 778-7227 FAX: (303) 722-8426
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 FAX: (303) 722-8426
Web-site address: www.usmix.com

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

V/O Patch is a one-component, dry polymer-modified, portland cement mortar. V/O Patch is a fast setting patching material for vertical and overhead repairs for applications up to 2" in depth. V/O Patch exhibits superior workability by maintaining a non-sag consistency for easy molding and shaving. V/O Patch achieves a compressive strength of 2,000 psi in 3 hours and 5,500 psi in 28 days. The bond strength of V/O Patch is 1,500 psi at 1 day and 1,700 psi at 7 days. It has a working time of 20 minutes and a final set of 45 minutes.

NOTE: This product is not V/O Patch CI (corrosion inhibitor).

Restrictions, (installation and/or use):

Do not apply when the surface or ambient temperature is below 40°F or expected to fall below 40°F within 48 hours.

Use of the product, (be specific to CDOT highway activities only):

Vertical and overhead repairs on bridge structures, tunnels, vertical precast concrete products, tilt-up panels, columns, and concrete walls.

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

V/O Patch is manufactured in Denver, CO within strict quality standards. Technical field support is readily available 24-hours a day 7-days a week upon request.

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

- ☐ CDOT :
- ☒ ASTM : C928 R2
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Concrete-Solutions (June 9, 2015)
- ☒ other : CTL-Thompson (December 30, 2014) (July 30, 2014)

State DOT Approvals, (current documentation required):

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Notes/Additional Comments