COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3015-12

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: Atlas Pro-1Patch

Product category: Concrete\Repair/Patching\Rapid Set, Horizontal

Product representative (name & address):
Attn: Bill Chambers
Atlas Construction Supply, Inc.
4800 Race Street
Denver, CO 80216
Phone: (303) 298-7777 FAX: (303) 298-7778
Web-site address: www.atlasform.com

Manufacturer (name & address):
Attn: Bill Chambers
Atlas Construction Supply, Inc.
4800 Race Street
Denver, CO 80216
Phone: (303) 298-7777 FAX: (303) 298-7778
Web-site address: www.atlasform.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Atlas Pro-1Patch is a blend of Portland cements, aggregates and proprietary admixtures engineered to provide a horizontal concrete patching material that reaches high early strengths for rapid traffic turnaround. Pro-1Patch will achieve compressive strengths of 3,200 psi in 3 hours and 5,600 psi in 24 hours when temperature is 73°F. Pro-1Patch will achieve bond strength of 1,400 psi in 24 hours, and has passed durability testing for freeze/thaw cycles and scaling resistance. The set time per ASTM C 403 is 14 -16 minutes working and 28 - 32 minutes final.

Restrictions, (installation and/or use):
Recommended temperature during application is between 40°F - 90°F; application may be completed at colder or hotter temps with proper precautions.

Use of the product, (be specific to CDOT highway activities only):
Concrete highways, bridge decks, ramps, parking decks, or other traffic bearing applications. Can also be mixed to stiff consistency for vert. applications.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Pro-1Patch is an easy to use (mix with water) rapid-setting concrete patch that will be ready to accept vehicle traffic in 1 - 2 hours, depending on temperature. Pro-1Patch is designed to cure to a gray color to closely blend-in with surrounding concrete; it will not turn yellow. Pro-1Patch costs less than other rapid-setting patching materials and is manufactured in Denver with strict quality control standards. Technical field support is readily available upon request.

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

- ☐ CDOT :
- ☒ ASTM : C 928 [C 39, C 157, C 403, C 672, C 882]
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☐ other :
- ☒ other : Concrete - Solutions (March 10, 2009)

State DOT Approvals, (current documentation required):
Nevada

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

Notes/Additional Comments
Product has not changed since it's initial CDOT evaluation and approval in 2008. A sample is available upon request at no cost to the DOT or customer.