COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3498-15

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: Quickset 5

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.)
Quickset 5 is a rapid setting, rapid hardening concrete patching material designed for horizontal, vertical and overhead applications. Quickset 5 is a blend of portland cement, selected aggregates and proprietary admixtures. It has been specifically formulated to provide excellent workability while demonstrating similar physical characteristic to the concrete substrate. Quickset 5 achieves a compressive strength of 3,000 psi in 3 hours, 4,000 psi in 1 day, 5,000 psi in 7 days and 6,000 in 28 days. Quickset 5 has a bond strength of 1,000 psi in 1 day and 2,000 psi in 7 days.

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):
Ideal for a wide variety of concrete surface repairs including precast concrete panels, tilt-up panels, curbs, steps, columns and sidewalks.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Quickset 5 is manufactured in Denver, CO within strict quality standards. Withstands freeze/thaw cycles. Versatile for horizontal, vertical and overhead repairs. 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 : C 928 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 : CTL Thompson (August 13, 2015) (August 25, 2015)
- ☒ other : Concrete-Solutions (September 10, 2015)

State DOT Approvals, (current documentation required):

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

Notes/Additional Comments
The product was modified after three state DOTs approved the product. These states are not being listed because it is unknown if the reformulated product will still be on their APLs.