COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2022-12

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: Polypatch FR

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

Product representative (name & address):
Attn: Andrew Beaty
US SPEC
112 South Sante Fe Drive
Denver, Colorado 80223
Phone: (303) 778-7227 FAX: (303) 722-8426

Manufacturer (name & address):
Attn: Andrew Beaty
US Mix Co.
112 South Sante Fe Drive
Denver, Colorado 80223
Phone: (303) 778-7227 FAX: (303) 722-8426

Web-site address: www.usspec.com

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

US SPEC Polypatch FR (fiber-reinforced) is a one-component, polymer-modified, mini-fiber fortified, very rapid setting horizontal repair mortar. Polypatch FR can accept automobile traffic in one hour. This product reaches 3-hour compressive strengths of 3500 psi. Polypatch FR should be wet cured for a minimum of 3 days, or with a liquid membrane forming curing compound that meets minimum requirements of ASTM C-309, C-1315, ACI 308, or CRD C-300.

Note: Polypatch FR has undergone a formula modification due to a raw material change in early 2012.

Restrictions, (installation and/or use):

US SPEC Polypatch FR requires both ambient and substrate minimum temperatures of 40° F.

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

May be used for, but not limited to the horizontal repair of concrete pavements and bridge decks.

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

This product displays excellent resistance to freeze-thaw, de-icing salts, petroleum products, and similar chemicals prevalent on concrete roadways. US SPEC Polypatch FR is manufactured in Denver, CO with 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 : C 928 R-3
- ☒ AASHTO : T 260
- ☐ 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 (June 5, 2012) (July 19, 2012)
- ☒ other : Concrete - Solutions (July 25, 2012)

State DOT Approvals, (current documentation required):

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Notes/Additional Comments