COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3530-12

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: TP Mortar

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

Product representative (name & address):
Attn: Andrew Beaty
US Mix Co.
112 S. Santa Fe Drive
Denver, CO 80223
Phone: (303) 778-7227 FAX: (303) 722-8426

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

Web-site address: www.usmix.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
TP Mortar is a one-component, dry polymer-modified blend of Portland cement, selected aggregates and proprietary admixtures designed for thin surface repairs in interior and exterior applications. TP Mortar is designed to be applied in thickness ranging from feather edge to 1/2". TP Mortar develops a tenacious bond to concrete surfaces and will accept foot traffic in 10 to 12 hours. TP Mortar has an initial rate of set at 1 hour 15 minutes and a final set time of 3 hours. It has a one day compressive strength of 2,700 psi.

Restrictions, (installation and/or use):
Do not apply when temperature is below 40°F or expected to fall below 40°F in 48 hours.

Use of the product, (be specific to CDOT highway activities only):
Concrete surface repairs on precast concrete products, tilt-up panels, curbs steps, columns, sidewalks, driveways 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):
Thermal expansion similar to concrete and consistent color match. High bond, compressive, flexural, and tensile strengths. Interior and exterior applications. Dry Polymer-Modified: just add water. Strict Quality Control testing and standards.

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

- ☐ CDOT :
- ☒ ASTM : C 928 [C 109, C 266, C 78]
- ☐ 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 (July 7, 2011)
- ☐ other :

State DOT Approvals, (current documentation required):

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Notes/Additional Comments