COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2638-04

Materials Laboratory
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

PART 1

Product name: HP Cement

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

Product representative (name & address):
US Concrete Products {Kirk Yoggy}
558 Castle Pines Parkway, Suite B4-112
Castle Rock, CO 80108-8854
Phone: (720) 810-5842 FAX: (720) 733-6674

Manufacturer (name & address):
US Concrete Products
1107 Kenilworth Dr., Suite 310
Towson, MD 21204
Phone: (866) 827-8727 FAX: (410) 832-2661

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
HP Cement is a fast-setting cement used to produce mortars and concrete for repair in, but not limited to, horizontal applications. HP Cement, when extended with sand, gravel, and water, has the following compressive strengths: 2800psi @ 2 hrs.; 3800psi@3 hrs; 7000 psi@28 days. HP Cement is a low-exotherm product which virtually eliminates thermal cracking and is shrinkage compensated.

Usage of product, (be specific to CDOT highway activities only):
General concrete repair on highways, bridge decks, ramps and expansion joints.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
HP Cement has excellent early strength characteristics and is fully cured in less than 2 hours - thus opening roadways quickly after repairs are complete. HP Cement includes an integral corrosion inhibitor and is exceptionally durable with very low permeability, shrinkage, and cracking. It also has excellent freeze/thaw capabilities and outstanding workability for ease of placement and finishing. HP Cement is also free of added gypsum and sulfates.

Specifications, (identify specifically those applicable) **& Certificate of Compliance** (submittal required):

- ☐ CDOT :
- ■ ASTM : C 39; C 157; C 293; C 882 Modified; C 266; C 666; C 76; C 928
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

Product testing, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Construction Technology Laboratories, Inc.; ATC Associates, Inc.

State DOT Approvals, (current documentation required):
IL, MA, MS, PA

Evaluation Procedure, (recommended):
On-Site Sample testing and evaluation

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

Notes/Additional Comments
Samples supplied at no cost when requested. HP Cement was previously referred to as High Performance Cement.

Manufacturer's Web-site address: Submit >