COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2384-02

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: Euco-Speed MP

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

Product representative (name & address):
The Euclid Chemical Company {Robert Bucheral}
19218 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 531-9222 FAX: (216) 531-9399

Manufacturer (name & address):
The Euclid Chemical Company
19218 Redwood Road
Cleveland, Ohio 44110
Phone: (216) 531-9222 FAX: (216) 531-9399

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
Euco-Speed MP (Magnesium Phosphate) is a very rapid setting, high strength repair mortar. Little or no shrinkage, excellent bond to concrete and high durability. May be placed and cured at 0° F. Compressive strength 3500 psi in 2 hours, 5000 psi in 3 hours, 6000 psi in 1 day.

Usage of product, (be specific to CDOT highway activities only):
Repair of bridge decks, ramps and pavements. Rapid setting and hardening for repairs in less than 1-hour.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
One part system requiring only the addition of water. Rapid repairs to distressed concrete and quick turnaround times. Highly durable to freezing and thawing.

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

- ☐ CDOT :
- ■ ASTM : C-928, C-666 (Procedures A and B), C-157, C-109, C-39, C-348, C-1202, C-672
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

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

- ■ NTPEP-AASHTO: Report 99 NTPEP 160 (Product was water cured, but Not recommended by the manufacturer)
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Solar Testing Laboratories (File No. A96101X2, Date 5/08/96)

State DOT Approvals, (current documentation required):
AZ, FL, NY, TN. VA, WV

Evaluation Procedure, (recommended):
Pavement repair requiring fast turnaround time.

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

Notes/Additional Comments
Reports and required documentation will be shipped 4/29/02. A 50-pound sample will be shipped the week of 4/29/02. Testing performed by NTPEP used water curing which is not recommended for any magnesium phosphate material. Extended material used by NTPEP was limestone which is not recommended for magnesium phosphate material. NTPEP used cylinders for compressive strength testing which is not recommended by the manufacturer. NTPEP testing was appropriate for cementitious based products NOT magnesium phosphate prod.

Manufacturer's Web-site address: www.euclidchemical.com

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