COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2314-01

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: Ambex Anchoring Capsules AAC

Product category: Adhesive\Anchoring\Cementitious

Product representative (name & address):
Ambex Concrete Technologies, Inc. {Jacques Bertrand}
1522 Boulevard des Laurentides
Laval, Quebec H7M 2N7 Canada
Phone: (888) 351-7585 FAX: (450) 662-9147

Manufacturer (name & address):
Ambex Concrete Technologies, Inc. {Jacques Bertrand}
1522 Boulevard des Laurentides
Laval, Quebec H7M 2N7 Canada
Phone: (888) 351-7585 FAX: (450) 662-9147

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
Ambex Anchoring Capsules AAC is a cementitious type of encapsulated grout made for Ambex Concrete Technologies, Inc under private label, ISO 9002 Standards. A dry pre-mixed cement grout packaged in a water permeable paper capsule (either 19 or 25mm wide, 320mm long). Upon soaking the grout capsule in water for several minutes it becomes a fast setting thixotropic grout, that is a grout with a putty consistency. All test results based on 20° C (68° F); therefore, the workability time is 15-25 minutes, the initial setting time is 60 minutes, the final setting time is 110 minutes, the compressive strength is 42 Mpa (6095 psi). Minimum ambient air and substrate temperature is -15° C (5° F).

Usage of product, (be specific to CDOT highway activities only):
To anchor rebar and load transfer dowels. Bridges, highway slabs, retaining walls, guardrail anchors, lighting fixture anchors.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Cost effective versus resin, epoxy, and chemical adhesives. The same strength, with ease of installation and only a pail and water as equipment.

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

- ☑ CDOT : Standard Specifications 412.13 (a)
- ☑ ASTM : C 109, C 157, C 403, C 1090, C 666, C 1107
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ☑ other : Intratech Engineering Laboratories Ltd.

State DOT Approvals, (current documentation required):
Indiana, Pennsylvania, Texas, Ontario

Evaluation Procedure, (recommended):

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

Notes/Additional Comments
Agency Approvals: Transport Quebec, Transport Ontario, City of Montreal, Hydro-Quebec, Public Works Canada, St. Laurence Seaway Authority.

Previously referenced as Concrete Chemicals Inc.'s Lafarge Fondu Cement Grout Capsule (M3RR).

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

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