COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3235-10

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 712.10.02.00

FOR INTERNAL CDOT USE

Material code description full name: Adhesive, Concrete Anchoring Agent

PART 1

Product name: EDOT

Product category: Adhesive\Anchoring, Lateral\Epoxy

Product representative (name & address):
Attn: Wendy Allen
Simpson Strong-Tie Anchor Systems
5151 South Airport Way
Stockton, CA 95206
Phone: (800) 999-5099 FAX: (209) 234-3868

Manufacturer (name & address):
Attn: Wendy Allen
Simpson Strong-Tie Anchor Systems
5151 South Airport Way
Stockton, CA 95206
Phone: (800) 999-5099 FAX: (209) 234-3868

Web-site address: www.simpsonanchors.com

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

EDOT is a two component, high solids, 1:1 ratio, solids epoxy-based adhesive for use as an economical, high strength, non-shrink anchor grouting material. EDOT meets specifications of ASTM C 881 Type I, II, IV and V, Grade 3, Class C. Tested in accordance with AC58 Acceptance Criteria for tension and shear loading, long term creep at elevated temperatures and damp hole installations.

Gel Time 46 minute at 73° F.

Full cure time: 72 hrs at 40° F; 24 hrs at 60° F to 80° F.

Compressive Yield Strength: 10,053 psi (7 days). Compressive Modulus: 393,200 psi (7 days)

Bond Strength: 3,054 psi (2 days) & 3,425 psi (14 days).

Available in 22 ounce, 56 ounce cartridges as well as 1 gallon, 10 gallon and 100 gallon kits with metering pumps. Cartridge systems have static mixing nozzle to mix resin and hardener simultaneously.

Restrictions, (installation and/or use):

The base material temperature must be 40° F or above at the time of installation.

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

Use for anchoring of threaded rod or rebar dowelling in concrete base material, or as a paste-over for crack injection.

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

High strength anchoring adhesive that is also very economical. Ideal for applications where high volume and low costs are a concern. Bulk dispensing systems of 1,10 or 100 gallons can reduce labor and equipment costs on the job-site. Superior in-service temperature sensitivity performance. Can be installed in dry or damp holes. Can achieve high load values at relatively shallow embedments.

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

- ☐ CDOT :
- ☒ ASTM : C 881 (Type I, II, IV and V, Grade 3, Class C), E 1512
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Stork Materials Technology (June 9, 2008)
- ☐ 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

Local representative is available for engineering presentations and job-site product demonstrations. A sample is available upon request at no cost to the DOT or customer.
Contact local representative for additional product information: Wendy Allen 415-559-9038
Current DOT approvals in: OR, OH, NM, NY, GA, FL, TX, NV, OR and WA. See http://www.simpsonanchors.com/technicalinfo/dot_approvals.html