COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3425-12

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

Material code: 519.01.00.00

FOR INTERNAL CDOT USE

Material code description full name: Overlay, Thin Bonded

PART 1

Product name:	Product category:
E-Bond 526	Bridge Structures\Thin Bonded Overlay\Epoxy
Product representative (name & address): Attn: Dennis Desilets E-Bond Epoxies, Inc. 501 NE 33rd Street Ft. Lauderdale, FL 33334 Phone: (954) 566-6555 FAX: (954) 566-6663	Manufacturer (name & address): Attn: Dennis Desilets E-Bond Epoxies, Inc. 501 NE 33rd Street Ft. Lauderdale, FL 33334 Phone: (954) 566-6555 FAX: (954) 566-6663
Web-site address: www.ebondepoxies.com	Web-site address: www.ebondepoxies.com

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

E-Bond 526 is a 2-component 100% solids, low modulus, 100% reactive epoxy binder. It produces a flexible multi-layer thin polymer epoxy overlayment providing a waterproof system with zero permeability, with high friction non-skid properties. E-Bond 526 is a flexible system with minimum elongation properties of 40% to accommodate variations in stress due to thermal and mechanical movement of the substrate coupled with high tensile properties to retain and secure high abrasion, non-skid aggregate during exposure to extremes of temperatures. E-Bond 526 has been tested and evaluated to provide fast strength development to keep bridge closures to a minimum. Physical properties at 75°F and 50% relative humidity: gel time is 15-30 minutes, bond strength 1600 psi. Set time when the temperature of surface is 40-44˚F 3 hours; 45-49˚F 2¾ hours; 50-54˚F 2½ hours; 55-59°F 2¼ hours; 60-69˚F 2 hours; 70-79˚F 1¾ hours; 80-84˚F 1½ hours; 85°F + 1 hour.

Restrictions, (installation and/or use):

Minimum ambient, surface, aggregate and epoxy temperatures should be 50°F and rising at the of application.

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

Waterproofing and protecting bridge structures against chloride ion intrusion; provides long-term non-skid properties, reduces overlay weight load

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

E-Bond 526 will enhance the safety and prolong the life of CDOT bridge decks and other structures with an impermeable waterproofing against moisture and chloride ion intrusion. E-Bond 526 is a light weight overlay, provides excellent long-term non-skid friction properties. Provides rapid cool weather set to open times, reducing bridge closure time.

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

- ☒ CDOT : Standard Specifications, Section 519, Thin Bonded Epoxy Overlay
- ☒ ASTM : C-881 Type III
- ☒ AASHTO : AGC-ARTBA Task Force 34 Epoxy Concrete Bridge Deck Overlays
- ☐ FHWA :
- ☒ other : ACI 548.8-07 Type EM Epoxy Multi-Layer Polymer Overlay

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : New York Product Testing & Services Inc. (July 7, 2010)
- ☐ other :

State DOT Approvals, (current documentation required):

Illinois, Kansas, Missouri

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

Notes/Additional Comments

No Charge Samples are available upon request.

E-Bond 28 year History of Bridges through out the USA including the landing strips of a major airport that have been protected with E-Bond 526. (in excess of 14 million sq. ft. in place)

Approvals CA, FL, VA, IL, KS, MO, MI , SD. NC, AZ, MI, WI, NV, PA pending; Used with State approval on job to job basis , ID, MT, TN.