COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2674-05

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: Bridge Deck Membrane

Product category: Concrete\Finishing Product\Sealer/Waterproofing

Product representative (name & address):
Bridge Preservation L.L.C. {Bill Kudrenski (President)}
144 Rainbow Drive
Hamilton, Ontario L8K 4E9
Phone: (905) 560-3646 FAX: (905) 560-3857

Manufacturer (name & address):
Bridge Preservation L.L.C.
87 Shawnee Ave
Kansas City, KS 66105
Phone: (800) 561-6191 FAX: (913) 321-1490

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
Elastomeric Polymer Spray-Applied Membrane Coating. Does not require the addition of a catylist in the field only the automatic mechanical blending by the spray machine of parts A and B. Does not require protection board for railroad bridge decks. Bridge Deck Membrane waterproofing system is the only process that has a seamless expansion joint system. Can be applied in sub-freezing temperatures, can receive full construction traffic in 1 hour, sets in 3 seconds.

Usage of product, (be specific to CDOT highway activities only):
Waterproofing of concrete and steel railroad bridge decks.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Can be applied in sub-freezing temperatures, can receive full construction traffic in 1 hour, sets in 3 seconds, no odor, surpasses AREMA requirements. Track record in Colorado with TREX, it is the only accepted membrane for railroad decks manufactured in the US.Our membrane can be used without protection board reducing the cost to Colorado DOT without affecting the warrantee.

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

- ☐ CDOT :
- ■ ASTM : D4541-00, D638-00, D257-99, E96-00,D638-00 Elongation, C836-00
- ☐ AASHTO:
- ☐ FHWA :
- ■ other : CSA A23.2-6B-M94 Standard, AREMA Manual for Engineering(1996) Ballast Impact Test

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

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ■ other : Bodycote Materials Testing; Cambridge Materials Testing Limited; Hauser Laboratories

State DOT Approvals, (current documentation required):

Evaluation Procedure, (recommended):
Review documentation, test sample submitted if necessary. This product will be used in Denver on TREX during week of April 15, 2005.

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

Notes/Additional Comments
Included with the submittal is a project report and Field Inspection Report which we provide to the owners on every project, additionally Bridge Preservation provides site direction and management plus issues the warrantee directly to the owners. Infrared Spectrometer fingerprinting of our product as ultimate differentiation against so called "equal products". We are one of two products being researched at the FAST site in Pueblo, the other product is manufactured in England, we are made in Kansas City.

Manufacturer's Web-site address:

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