COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3211-10

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

Material code: 518.03.01.00

FOR INTERNAL CDOT USE

Material code description full name: Expansion Device, Asphaltic

PART 1

Product name: Thorma-Joint (Batch #0756041610)	Product category: Sealant\Asphaltic Plug Joint\
Product representative (name & address): Attn: Mike Stachowicz Dynamic Surface Applications, Ltd. 373 Village Road Pennsdale, PA 17756 Phone: (570) 546-6041 FAX: (570) 546-2415	Manufacturer (name & address): Attn: Mike Stachowicz Dynamic Surface Applications, Ltd. 373 Village Road Pennsdale, PA 17756 Phone: (570) 546-6041 FAX: (570) 546-2415
Web-site address: www.dsa-ltd.com	Web-site address: www.dsa-ltd.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Thorma-Joint is the original asphaltic plug joint system and is designed to handle movement for both expansion and fixed-end (abutment) joints. It is comprised mostly of a combination of BJ Super (a polymer modified asphalt binder), specifically graded 3/4" aggregate, A36 mild steel plate, and heat resistant backer rod. Thorma-Joint provides a water-tight, smooth riding surface that be be easily maintained. It allows for a joint movement of 1" in expansion and 1" in compression. Installed at a minimum depth of 2" and at a recommended width of 20".

Restrictions, (installation and/or use):
Should not be installed at temperatures below 32°F or at skews greater than 45 degrees without prior consultation with DSA, Ltd.

Use of the product, (be specific to CDOT highway activities only):
Bridge Expansion Device (0-2" movement). Can also be used as a pavement relief joint. Suitable for new construction and rehabilitation projects.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Only product of its type guaranteed by the manufacturer for a period of three years. Most cost effective, low maintenance and reliable system available for low movement bridges.

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

- ☐ CDOT :
- ☒ ASTM : D 6297-01
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Momentum Technologies, Inc. (5-25-2010)
- ☐ 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
Referenced but not documented: CT DOT, MA DOT, VT AOT, RI DOT, NH DOT, ME Turnpike, NJ DOT, NJTA, NYSBA, NY Thruway, PA DOT, PA Turnpike, OH DOT, IN DOT, DE DOT, WV DOT, KYTC, NC DOT, SC DOT, TX DOT, NV DOT, OR DOT, CALTRANS