COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3224-10

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 Devices, Asphaltic

PART 1

Product name: Thorma-Joint (Batch #0756090810)	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 specific blend of elastomer modified bituminous binder, BJ Super, and a specially selected aggregate gradation. 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.

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. (10-1-2010)
- ☐ other :

State DOT Approvals, (current documentation required):
Nevada, New Hampshire, Oregon, Pennsylvania, Texas, Vermont

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

Notes/Additional Comments
www.nevadadot.com/reports_pubs/qpl/pdfs/QPL.pdf
www.nh.gov/dot/org/projectdevelopment/materials/research/documents/qpl.pdf
www.oregon.gov/ODOT/HWY/CONSTRUCTION/QPL/Docs/QPL.pdf
ftp.dot.state.pa.us/public/pdf/BOCM_MTD_LAB/PUBLICATIONS/PUB_35/Bulletin15.pdf
www.dot.state.tx.us/business/contractors_consultants/bridge/expansion_joints.htm
www.aot.state.vt.us/matres/Documents/ACROBAT.pdf/ALQPM-2-2010.pdf