COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3733-14

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 #0756011714)

Product category: Sealant\Asphaltic Plug Joint\N/A

Product representative (name & address):
Attn: Mike Stachowicz
Dynamic Surface Applications, Ltd.
373 Village Road
Pennsdale, PA 17756
Phone: (800) 491-5663 FAX: (888) 600-0036

Manufacturer (name & address):
Attn: Mike Stachowicz
Dynamic Surface Applications, Ltd.
373 Village Road
Pennsdale, PA 17756
Phone: (800) 491-5663 FAX: (888) 600-0036

Web-site address: www.dsa-ltd.com

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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 can be easily maintained. It allows for a cumulative 2" of movement.

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 International (2-24-2014)
- ☐ other :

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

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

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