COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3641-13

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

Material code: 705.01.02.00

FOR INTERNAL CDOT USE

Material code description full name: Joint Filler, Preformed

PART 1

Product name: Silicoflex SF150, SF225, SF400

Product category: Sealant Joint and Crack\Pre-Formed Joint filler\NA

Product representative (name & address):
Attn: Joseph Becker
R.J. Watson, Inc.
11035 Walden Ave
Alden, NY 14004
Phone: (585) 414-0564 FAX: (716) 901-7015

Manufacturer (name & address):
Attn: Joseph Becker
R.J. Watson, Inc.
11035 Walden Ave
Alden, NY 14004
Phone: (716) 901-7020 FAX: (716) 901-7015

Web-site address: www.rjwatson.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Silicoflex is a 100% inorganic preformed silicone joint sealing system. This system is 100% resistant to UV and Ozone. This system can be installed into any joint opening on the highway. Its bonded to the vertical faces by means of a 100% inorganic single part Silicone adhesive. There is also a 2 part primer that is applied to the joint opening before the gland is installed. This system can be installed in existing steel armoring (strip seal extrusions) or existing concrete. It can also be used on new steel extrusions or new concrete. The installation methods are the same in either case. Silicolfex can be provided with an extrusion for applications where strip seals would normally be used.
Install widths:
SF150 1"-2.0"
SF225 1.25"-3.0"
SF400 2.5"-4.0"

Restrictions, (installation and/or use):
Silicoflex can be installed in any joint opening from .5" to 5".

Use of the product, (be specific to CDOT highway activities only):
Used as a bridge joint system in both new construction and preservation/rehab work.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
This product is made of inorganic silicone. Unlike the conventional neoprene glands this product will not degrade over time. It will not become chalky, dry out, or take on a compression set. This product is low cost and provides an extraordinarily long life. The installation is very quick (15 minutes per lane for the full process). The product can seal decks even if they have irregular openings along the joint face. A sealed joint opening limits degradation of the sub structure and can save the state in the long run.

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

- ☐ CDOT :
- ☒ ASTM : (Individual tests for gland:) D 2240, D 412, D 624, D 395 (Individual tests for adhesive:) D 412, C 679, C 793
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : ARDL (May 24, 2010) (August 6, 2010)
- ☐ other :

State DOT Approvals, (current documentation required):
AZ, CA, NY, PA, SC, TN, TX, VA

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

Notes/Additional Comments
Silicolfex is approved in nearly every state, but I limited it to 8 on my submittal to reduce the paperwork. The Silicoflex formulation remains unchanged since 1995. There is also at least 1 install of Silicoflex for CDOT. It was installed in 2011 under the direction of Behrooz Far 303-757-9193. At last report, March 2013, it was preforming well.