

Product Evaluation

RE: Review of Elastoflex 410

PRODUCT

Elastoflex 410 is a crack and joint sealant manufactured by Maxwell Products located in Salt Lake City, Utah and is distributed in Alberta by Cubex Ltd located in Calgary. Website: <https://maxwellproducts.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Elastoflex 410 is a hot applied, polymer modified crack and joint sealant for use with asphalt and concrete pavements. This product applies and sets up best in up to moderate temperatures and is highly durable in cold to moderate climates. Elastoflex 410 is quick melting and extremely flexible. Formulated with a high recycled rubber content with a high viscosity to resist excess flow during application, it is ideal for highways, county roads and airports. Elastoflex 410 is a great value for stretching pavement maintenance dollars.

DESCRIPTION

Elastoflex 410 must be heated using indirect heating methods, either a double boiler or hot oil circulating kettle. Equipment must have means of maintaining constant agitation to the material. Its maximum safe heating temperature is 400°F (204°C) and recommended application temperature is 380°F (193°C).

POTENTIAL USAGE

Elastoflex 410 is used for sealing of joints and random cracks in asphalt and concrete pavements.

STANDARDS

ASTM D5329: Cone Penetration	ASTM D36: Softening Point
ASTM D113: Ductility	ASTM D5329: Resilience
ASTM D5329: Asphalt Compatibility	Meets requirements of ASTM D6690 Type 1
Meets requirements of AASHTO M324 Type 1	

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has experience with Rubberized Crack Sealant (Hot Pour Rubberized) products

APPLICABLE STANDARDS

The Alberta Transportation specification for crack sealant is as follows:

- Standard Specification for Highway Construction 3.30 Asphalt Pavement Crack Routing and Sealing.
- Standard Specification for Highway Maintenance 53.4 Asphalt Pavement Crack Sealing
- Standard Specification for Highway Maintenance 53.5 Asphalt Pavement Crack Routing and Sealing
- Standard Specification for Highway Maintenance 53.8 Asphalt Pavement Transverse Crack

RECOMMENDATIONS

Elastoflex 410 be listed as a Trial Product under Alberta Transportation Products List, Crack Treatment – Crack Routing and Sealing - Rubberized Crack Sealant (Hot Pour Rubberized) – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: Not to be used on Bridge decks

TRIAL PROJECTS

Deerfoot South Bound from just south of Barlow to 700 meters from 130th Ave 2617 Meters (September 2024)

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