

## Product Evaluation

### RE: Review of Elastoflex / NUVO 3405

#### **PRODUCT**

Elastoflex / NUVO 3405 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 / Nuvo Spec 3405 is a next generation hot applied, polymer modified crack and joint sealant for use with asphalt and concrete pavements. This sealant applies and sets up best in up to hot temperatures, and is highly durable in very cold to hot climates. With advanced performance provided by intelIBond technology, Nuvo Spec 3405 is self-leveling, fast setting, quick melting and extremely flexible. Nuvo Spec 3405 is the premium choice for your pavement maintenance.

#### **DESCRIPTION**

Elastoflex / NUVO 3405 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**

Formulated with a medium viscosity for all-round ease of application, Elastoflex / Nuvo Spec 3405 is ideal for highways, county roads, municipal streets, airports and concrete joints.

#### **STANDARDS**

ASTM D5329: Cone Penetration	ASTM D36: Softening Point
ASTM D3111: Flexibility	ASTM D5329: Resilience
ASTM D5329: Asphalt Compatibility	
Meets requirements of ASTM D6690 Type 1 and ASTM D6690 Type 3	
Meets requirements of AASHTO M324 Type 1, and AASHTO M324 Type 2	

### **ALBERTA TRANSPORTATION COMMENTS**

#### **EXPERIENCE**

Alberta Transportation has no experience with this product

#### **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
- Standard Specification for Highway Maintenance 53.10, Asphalt Pavement Pothole Patching

#### **RECOMMENDATIONS**

Elastoflex / NUVO 3405 be listed as a Potential 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**

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,  
Wayne Mah, Kimberley Edmunds, Junaid Iqbal