

Product Evaluation

RE: Review of GapPatch330

PRODUCT

GapPatch 330 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

GAP-Patch 330 is a robust, hot-applied, permanent repair for potholes in highways and municipal streets. Able to be applied in winter weather under imperfect conditions, it is ideally suited for concrete and asphalt pavement repairs of at least two inches deep and between one half square foot and 10 square feet in area. Patch material is hot-applied and formulated with flexible, polymer-modified asphalt (designed to accommodate ground movement) and durable, engineered aggregates (capable of bearing heavy loads).

DESCRIPTION

GAP-Patch 330 must be indirectly heated using an oil jacketed kettle. Material must be constantly agitated to keep aggregate evenly suspended. Remove standing water and debris from the pothole and reduce moisture content in the top 2 inches of the repair to 12% or less. Its maximum safe heating temperature is 390°F (204°C) and recommended application temperature is 320°F (193°C).

POTENTIAL USAGE

GAP-Patch 330 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	ASTM D3111: Flexibility

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has experience potholes patching products

APPLICABLE STANDARDS

The Alberta Transportation specification for crack sealant is as follows:

- Standard Specification for Highway Construction 53.10, Asphalt Pavement Pothole Patching.
- 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

GAP-Patch 330 be listed as a Potential Product under Alberta Transportation Products List, Asphalt Pavement Patching – 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

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