

## **Product Evaluation**

### **RE: Review of Roadmender Mastic**

#### **PRODUCT INFORMATION**

Product Name: Roadmender Mastic  
Website: [Roadmenderasphalt.com](http://Roadmenderasphalt.com)

Manufacturer: Billian UK Ltd., Sheffield, UK  
Supplier: [Road Savers Western Ltd., Calgary](#)

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

Roadmender Mastic is a novel recycling technology that converts end-of-life waste tyres into a highly versatile industrial strength glue with a broad array of commercial applications. Roadmender is a fast non-invasive road repair process where, rather than being excavated, defects are simply filled before being covered with a durable fast setting layer of Mastic Rubber that forms a permanent, textured wearing course over the patch that also eliminates any potential for the ingress of water.

##### **DESCRIPTION**

Roadmender Mastic is Hot applied, polymer modified mastic asphalt. Its appearance as supplied is dry, pourable granular aggregate with rubber bitumen pellet mix. Once it is used its appearance is black, molten, free flowing, granular, hot mastic. Its application temperature is 180°C to 195°C. Before application, the pavements surfaces are to be reasonably clean and dry, loose material and standing water is best removed with a heated air lance or similar.

##### **POTENTIAL USAGE**

Roadmender Mastic can be used for Shallow surface defects repairs, potholes repairs, Alligator cracking repairs, surfacing repairs around ironworks, footway surface course, utility reinstatements, airfield repairs, patching, local repairs, in laid crack repairs and any other similar use including narrow trenches.

##### **STANDARDS**

Not Provided

#### **ALBERTA TRANSPORTATION and ECONOMIC CORRIDORS COMMENTS**

##### **EXPERIENCE**

Transportation and Economic Corridors has no experience with this product.

##### **APPLICABLE STANDARDS**

Transportation and Economic Corridors standard specifications for Highway Maintenance:  
53.10 Asphalt pavement pothole patching and 53.13 Asphalt pavement Surface Patching

##### **RECOMMENDATIONS**

Roadmender Mastic be listed as a Trial Product under Transportation and Economic Corridors 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:

1. Prior approval from Alberta Transportation and Economic corridors Pavement Engineering group is required before it is used in any Alberta Highway Projects.
2. This product shall not be used over the bridge decks.

**TRIAL PROJECTS**

Different Locations at Stoney Trail (September 2024)

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cc New Products Evaluation Group – Kristen Tappenden,  
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