

Product Evaluation

RE: Review of Plastasphalt

PRODUCT

Plastasphalt is a permanent cracks and potholes repairs product manufactured by Strassenflex located in Bad Segeberg, Schleswig-Holstein, Germany and distributed in Alberta by Paveit Construction Inc. located in Slave Lake, Alberta. Website: <http://strassenflex.de/uber-plastasphalt/>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Plastasphalt runs into the smallest cracks in the surface to be repaired and guarantees a maximum connection with the old surface. Thanks to its elastic character and its special composition, Plastasphalt is characterized by its dense, closed surface. It adheres optimally to asphalt and other surfaces such as concrete and cobblestones. The processing of Plastasphalt is possible with a small column and correspondingly little effort. Since Plastasphalt can be processed quickly and driven on shortly after processing, there is minimal traffic obstruction and damage can be repaired promptly.

DESCRIPTION

Plastasphalt is laid in strips 15-30 cm wide - wider strips can also be applied next to each other.

POTENTIAL USAGE

Plastasphalt is an elastic repair compound for mending cracks, holes, ruts and similar damaged areas in asphalt.

STANDARDS

Plastasphalt has not been tested in Canada or North America

Europe Test Methods EN1427, EN13880,

EN13880-1 Hot applied joint sealants Part 1: Test method for the determination of density at 25 °C

EN13880-2 Hot applied joint sealants Part 2: Test method for the determination of cone penetration at 25°C

EN13880-3 Hot applied joint sealants Part 3: Test method for the determination of penetration and recovery

EN13880-5 Hot applied joint sealants Part 5: Test method for the determination of flow resistance.

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
- Standard Specification for Highway Maintenance 53.13 Asphalt Pavement Surface Patching
- Standard Specification for Highway Maintenance 53.14 Asphalt Pavement Deep Patching

RECOMMENDATIONS

Plastasphalt be listed as a Proven Product under Alberta Transportation Products List, Crack Treatment – Crack Routing and Sealing - Rubberized Crack Sealant (Hot Pour Rubberized) – Proprietary and Asphalt Pavement Patching - Proprietary, based on the information provided and the performance at the Trial Site.

RESTRICTIONS ON USE

Caveat: Not to be applied on bridge decks

TRIAL PROJECTS

Hwy 19 near Castrol Raceway - April 21, 2021

Rishi Adhikari

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