

## Product Evaluation

### RE: Review of Extruded Permaline Thermoplastic Durable Marking System

#### **PRODUCT**

The Extruded Permaline Thermoplastic Durable Marking System is manufactured and distributed by ENNIS Traffic Safety Solutions Located in Ennis, Texas.

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

##### **CLAIMS**

Extruded Permaline Thermoplastic Durable Marking System is a reflectorized pavement marking material which is intended for use on concrete and asphalt road surfaces for long term delineation. Web link for this product:

<http://www.ennisflint.com/Products/Hot-Applied-Thermoplastic/Permaline>

##### **DESCRIPTION**

Extruded Permaline Thermoplastic Durable Marking System is a 100% solid material that must be pre-heated to a temperature of at least 425°F (218°C) and applied in a molten state to a pavement surface at a temperature of at least 400°F (204°C). Roadway surface temperature at the time of application shall not be less than 50°F (10°C) and rising.

##### **POTENTIAL USAGE**

Extruded Permaline Thermoplastic Durable Marking System shall be sufficiently tack-free to carry traffic in not more than 2 minutes when pavement surface temperature is at 50°F (10°C) and not more than 10 minutes when pavement surface temperature is 130°F (54°C). The road surface shall be absolutely dry with no forecasted rain for the day. Use the manufactures recommended procedure for primer application on asphalt surfaces that are more than 2 years old.

##### **STANDARDS**

None submitted

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has experience with durable pavement markings such as System 400 (MMA), PolyCarb Mark 55.4, RainLine and Pathfinder products. These products are currently listed on Alberta Transportation's products list under the Proven products category.

##### **APPLICATION STANDARDS**

At present Alberta Transportation does not have a standard for Durable Pavement Markings.

##### **RECOMMENDATIONS**

Extruded Permaline Thermoplastic Durable Marking System be listed as a Trial Product under Alberta Transportation Products List, Pavement Markings – Durable – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**

Hwy. 1:06 – 2015 (need another site)

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