

Product Evaluation

RE: Review of Gentem Preformed Thermoplastic (White and Yellow)

PRODUCT

Gentem Preformed Thermoplastic is a pavement marking product manufactured and distributed in Alberta by Gentem Inc, located in Barrie, Ontario. Website: www.gentem.ca

VENDOR CLAIMS AND INFORMATION

CLAIMS

Gentem Preformed Thermoplastic offer long-wearing durability. The products are designed to have high performance retro-reflectivity for improved visibility and traction. The products require minutes to install and set. Within minutes, traffic can resume its normal flow without lengthy traffic delays. Smaller crews are required which significantly reduce the amount of time spent on sites. Gentem Preformed Thermoplastic is designed to take a beating in busy, heavy traffic areas.

DESCRIPTION

Gentem Preformed Thermoplastic are also called Gentem StreetForm, Gentem CycleScape or Gentem PlayScape. The product is of Alkyde type and it is intermixed with glass beads of 30 - 40% (ASHTO M-247). Its softening point is 93-121°C (adjusted according to regional climate conditions). The product is placed on the clean surface the material is heated to 180° - 220° C with gas heat torch and let cool for 10 minutes at 20° C or at ambient temperature.

POTENTIAL USAGE

Gentem Preformed Thermoplastic can be used for Symbols, legends and lane markings on asphalt or concrete pavement.

STANDARDS

AASHTO M249 Specification for White and Yellow Reflective Thermoplastic Striping Material (Solid Form)

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

APPLICABLE STANDARDS

The Alberta Transportation specification for Durable Pavement Markings are as follows:
Alberta Transportation Highway Pavement Marking Guide
Standard Specification for Highway Maintenance 53.22: Permanent Pavement Markings
Specification for Highway Construction 5.20: Supply of Line Painting and Message Marking Materials
Alberta Transportation Recommended Practices - Use of Durable Pavement Markings

RECOMMENDATIONS

Gentem Preformed Thermoplastic be listed as a Potential Product under Alberta Transportation Products List, Pavement Markings – Durable - Preformed – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

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