

Product Evaluation

RE: Review of Gentem Endurance Granular Thermoplastic (White and Yellow)

PRODUCT

Gentem Endurance 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 Endurance is hot-applied granular thermoplastic pavement marking products. It is designed to be durable and long lasting. Endurance, is a fully formulated finished product, manufactured in powder form which is perfect for both hand and truck application. When heated, Endurance converts to a hot viscous material that can then be applied to roadways. Endurance requires no liquids, no premixing, produces no waste -even the plastic bags can be melted in with the powder! It's environmentally and operator safe.

DESCRIPTION

Gentem Endurance Granular Thermoplastic, in white or yellow, is a hydrocarbon type extruded or sprayed-on pavement marking material. This is a lead-free product. 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). This product has a shelf life of approximately one year from the date of manufacture and is sold by the ton (2,000lbs). Product is packaged in 50lb heat degradable bags.

POTENTIAL USAGE

Gentem Endurance Granular 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)
AASHTO 250 Standard Method of Test for Thermoplastic Traffic Line Material

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 Endurance Granular Thermoplastic be listed as a Potential 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.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

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