

## Product Evaluation

### RE: Review of ArcticLine HP Plastic Roadmarking System

#### **PRODUCT**

ArcticLine HP Plastic Roadmarking System is manufactured by ColorPoint AB located in OSBY, Sweden and distributed by International Striping Products of Edmonton, Alberta.

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

##### **CLAIMS**

ArcticLine HP Plastic Roadmarking System is a patented system that is suitable for all types of horizontal road markings on asphalt road surfaces. The ArcticLine HP Roadmarking System has been designed to be used in both an inlaid groove or surface applied application. Product web link: <http://www.hermseal.se/index.htm>

##### **DESCRIPTION**

ArcticLine HP Plastic Roadmarking System consists of aliphatic hydro carbon resins, modified ester resins, thermo elastomers, olefin polymers and process oil. Glass beads, pigment and fillers constitute approximately 80% by weight. Air temperature for application 10 to 40° C.

##### **POTENTIAL USAGE**

ArcticLine HP Plastic Roadmarking System can be inlaid or surface applied. ArcticLine HP is applied by relevant spray plastic equipment at a thickness of 0.4 to 0.8mm. This product can be applied on concrete surfaces provided that the surface has been treated with specialized primer. Additional glass beads are dropped onto the material to obtain initial retro-reflectivity. ArcticLine HT Plastic Roadmarking System has been used in several countries in Europe.

##### **STANDARDS**

Swedish Board for Technical Accreditation (SWEDAC)

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has experience with durable pavement markings such as System 400, 600 (MMA), PolyCarb Mark 55.4, Rainline, Pathfinder and HD-21A durable waterborne products. These products are currently listed on Alberta Transportation's Products List under Proven Products.

##### **APPLICATION STANDARDS**

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

##### **RECOMMENDATIONS**

ArcticLine HP Plastic Roadmarking System be listed as a Proven Product under Alberta Transportation Products List, Pavement Markings – Durable Plastic – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

Sherwood Park – (Baseline Road and Wye Road), (applied in 2011)

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