

## Product Evaluation

RE: Review of DURAMENT RS Soil Stabilization

### PRODUCT

DURAMENT RS Soil Stabilization is manufactured and distributed by DURAMENT International Ltd located in Surrey, British Columbia.

### VENDOR CLAIMS AND INFORMATION

#### CLAIMS

DURAMENT RS Soil Stabilization when thoroughly mixed and stabilized with a soil or road pavement material, cement and water produces an exothermic chemical reaction and forms a polymer which when compacted provides a very dense layer. DURAMENT RS polymer creating additive is designed to work in conjunction with cement with a wide range of soil and sub-grade types to make a strong and flexible pavement for roads and to enhance quality and durability of the final pavement. DURAMENT RS product is an additive to general purpose Portland cement and in-situ material to form a polymerized concrete slab. Product Web Link: <http://durament.com/>

#### DESCRIPTION

DURAMENT RS Soil Stabilization is a patented water-soluble, neutral and non-toxic polymer additive for road construction. It is easy to use in combination with soil and normal Portland cement to create a solid and stable road base with in-situ material or sub base material. DURAMENT RS composition include; calcium chloride, hydrated acrylic copolymer latex and water.

#### POTENTIAL USAGE

Application rates for cement and DURAMENT RS shall be determined on-site for the equipment available from application rate tables provided with product or as specified by the manufacturer or consulting engineer. DURAMENT RS has been used in Germany for more than 30 years.

#### STANDARDS

None submitted

### ALBERTA TRANSPORTATION COMMENTS

#### EXPERIENCE

Alberta Transportation has no experience with this product.

#### APPLICATION STANDARDS

Alberta Transportation does not have a standard specification for Soil Stabilization.

#### RECOMMENDATIONS

DURAMENT RS Soil Stabilizer be listed as a Proven Product under Alberta Transportation's Products List, Stabilization (Soil) – Proprietary based on the information provided.

### TRIAL PROJECTS

Hwy 836 – approximately 8 km N. of Hwy 583

Joe Filice

cc Innovation Evaluation Group – Abid Malik  
Jim Gavin  
Corinna Mulyk/Jim Poole/Don Snider