

## Product Evaluation

### RE: Review of RoadBond (Soil Stabilization & Dust Suppressant)

#### PRODUCT

RoadBond is manufactured and distributed by RoadPacker Solutions Ltd located in Calgary, Alberta.

#### VENDOR CLAIMS AND INFORMATION

##### CLAIMS

RoadBond reacts with the surface of clay particles to modify the clay and reduce its susceptibility to water. As an ionic stabilizer RoadBond relies on ionic exchange reactions to perform its expected functions satisfactorily. RoadBond binds the fine particles and increases compaction of the surface layer to prevent dust on roads. It is also used as a compaction aid and soil stabilization agent. It increases soil density and bearing strength, while reducing voids plasticity. Product Web Link:

<http://www.roadpackersolutions.com/>

##### DESCRIPTION

RoadBond is both a binding agent and ionic soil stabilizer. Its base ingredient is calcium lignosulphonate and other ionic exchange agents.

##### POTENTIAL USAGE

RoadBond can be used on all soil types; best results are achieved in soil with near to ideal particle size distribution with 12-15% clay, although RoadBond is effective in soils with higher clay content. If soil is mainly silt or sand, higher dosages are required to provide additional binding.

RoadBond was evaluated by the City of Calgary in 1999, on their test section and the product has been accepted for use within the City of Calgary.

##### STANDARDS

None provided

#### ALBERTA TRANSPORTATION COMMENTS

##### EXPERIENCE

Alberta Transportation has no experience with this product.

##### APPLICABLE STANDARDS

The Alberta Transportation Specification 53.31, Supply and Apply Calcium Chloride Dust Abatement. Alberta Transportation has no specification for soil stabilization at this time.

##### RECOMMENDATIONS:

RoadBond be listed as a Potential Product under Alberta Transportation's Products List, Dust Abatement – Proprietary and Stabilization (Soil) – Proprietary based on the information provided. Final acceptance as a proven product will be based on field performance

#### TRIAL PROJECTS

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