

## Product Evaluation

### RE: Review of EcoAnchor

#### **PRODUCT**

EcoAnchor is a Hydraulic Erosion Control Product manufactured and distributed in Alberta by LandLoc Environmental Product, Calgary.

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

##### **CLAIMS:**

EcoAnchor Product is a Hydraulic Erosion Control Product. Upon curing, EcoAnchor bonds soil particles together to create an environmentally sensitive barrier. By creating a 3D network structure in the upper 1-2 cm of soil, EcoAnchor strengthens the surface of the earth and reduces the turbidity of the soil run-off by keeping the soil particles in place. EcoAnchor's unique surface structure lets moisture and oxygen permeate through the structure, hold moisture longer and protects the soil and plants from rapid dehydration. Web link: <http://www.landloc.ca/EcoAnchor/>

##### **DESCRIPTION:**

EcoAnchor is a water soluble co-polymer liquid that is both environmentally friendly and a high performance soil stabilizer. It is used for controlling dust and Erosion for short temporary challenges, to long term multi-season solutions.

##### **POTENTIAL USAGE:**

Erosion control of highway slopes

##### **STANDARDS:**

ASTM D6459 – Standard Test method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Hillslopes from rainfall Induced Erosion.  
ASTM D 7322 – Standard Test method for Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth  
Trout (96-h LC50) Test

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation has experience with similar type products.

##### **APPLICATION STANDARDS:**

Alberta Transportation has standard specifications for seeding and fertilizing - Erosion and Sediment Control Manual 2011 BMPs 22 Seeding, 24a Hydro-seeding and 24b Hydro-mulching

##### **RECOMMENDATIONS:**

EcoAnchor to be listed as a Trial Product under Alberta Transportation Products List, Erosion Control – Hydraulic Erosion Control Product – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**

Stoney Trail SW (2019) at multiple stock piles

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