

Product Evaluation

RE: Review of EcoAnchor (Dust Control)

PRODUCT

EcoAnchor is manufactured and distributed by LandLoc Environmental Products, Calgary, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

EcoAnchor Dust Control is a proprietary blend of polymers that originates with its long, nanoparticle molecular structure. Upon curing, EcoAnchor bonds soil particles together to create an environmentally sensitive barrier. By creating a three dimensional network structure in the upper 1-2 centimeters 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. The three dimensional network structure links and cross-links together, allowing stronger bonds to be obtained. After EcoAnchor is applied and the water disperses from the soil or aggregate, a durable and water-resistant matrix of flexible solid-mass is created. Once cured, EcoAnchor becomes completely transparent, leaving the natural landscape to appear untouched.

Product Web Link: <http://www.landloc.ca>

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

EcoAnchor can be used for pathway stabilization, slope stabilization for roads & land development, as well as dust control for road construction, mining and oil and gas.

STANDARDS

ASTM D6459 – Standard Test method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Hillslopes from rainfall Induced Erosion.
Trout (96-h LC50) Test

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

APPLICABLE STANDARDS

Alberta Transportation has no specification for soil stabilization at this time.

RECOMMENDATIONS:

EcoAnchor Dust Control be listed as a Proven Product under Alberta Transportation’s Products List, Dust Abatement – Proprietary based on the information provided.

Trial Projects

Various stock pile locations at stony Trail SW

Rishi Adhikari
cc New Products Evaluation Group – Roger Skirrow