

Product Evaluation

RE: Review of Concrete Canvas (formerly sold as Concrete Clothe)

PRODUCT

Concrete Canvas is manufactured by Concrete Canvas LTD. located in Talbot Green, Pontyclun, UK and it is distributed in Alberta by Titan Environmental Containment located in Iles Des Chenes, Manitoba.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

Concrete Canvas is a flexible cement impregnated fabric that hardens when hydrated to form a thin durable water and fire proof concrete layer. A PVC backing on one surface of the Canvas ensures the material is water proof. Hydrophilic fibres on the opposite surface aid hydration by drawing water into the cement. Website: <https://www.titanenviro.com/>

DESCRIPTION:

Concrete Canvas is a flexible mat containing a dry concrete mix trapped within a 3 dimensional fibre matrix with a fibrous surface on one side and a PVC membrane on the other. When water is added the material remains flexible for 2 hours and then sets rapidly.

POTENTIAL USAGE:

Concrete Canvas is supplied in bulk or batched rolls and comes in thicknesses of 5mm, 8mm and 13mm. Concrete Canvas is used in the following applications: slope stabilization; ditch lining; culvert lining; head walls; weed control; gabion protection and pipe protection.

STANDARDS:

ASTM D6460

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has used this product in multiple locations.

APPLICATION STANDARDS:

Alberta Transportation does not have a standard for this product.

RECOMMENDATIONS:

Concrete Canvas be listed as a Proven Product under Alberta Transportation Product List, Erosion and Sediment Control Systems - Miscellaneous Erosion and Sediment Control, based on the information provided.

TRIAL PROJECTS

Anthony Henday – 91 Street S.W. , Hwy 772:02 N. Howard Creek Hill - 8 mm thick Concrete Clothe used in 2016

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