

Product Evaluation

RE: Review of RCN (Rolled Cable Nets) Rockfall Drape System

PRODUCT

The RCN Rockfall Drape System is manufactured by Geobruigg North America located in Algodones, New Mexico and distributed by Western Geohazard Solutions Incorporated located in Kelowna, British Columbia. <http://www.geobruigg.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS:

RCN Rockfall Drape System chain link construction offers a much better force transmission than the traditional connection by cross clips which can move easily in case of a typical punctual force caused by a rock hanging in a net opening. The RCN Drape System can obtain maximum invisibility when colorized by powder coating. Product web link:

DESCRIPTION:

Rolled Cable Nets are made with 1X3 high tensile strength, 8.6 mm spiral rope strand. The 1X3 strand is woven into an interlocking diagonal weave mesh with an opening of 250mm. Due to the interlocking, woven construction and high-tensile strength strand, the traditional cross clip is not required to prevent slippage and unraveling of the net.

POTENTIAL USAGE:

RCN Rockfall Drape System can be used as a direct replacement in a standard draped mesh system that includes the standard support rope and hardware typical to a drape. The RCN panels can be hung by the same standard construction equipment typically used for drape construction such as cranes, helicopters, etc. Ultracoating, the 3rd generation of zinc/aluminum coating improves the corrosion resistance of the wire.

STANDARDS:

Test results are available from the vendor in regard to wire mesh strength and oxidation resistance.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation and Economic Corridors has no experience with this product.

APPLICATION STANDARDS:

Alberta Transportation and Economic Corridors does not have a standard for rock fall and avalanche protection. Rockfall barrier systems should be designed by a qualified engineer and should be designed for the specific rockfall hazard and site conditions.

RECOMMENDATIONS:

RCN (Rolled Cable Nets) Rockfall Drape System be listed as a Potential Product under Alberta Transportation Product List, Rockfall – Mesh Draped – Proprietary based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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