

RE: Review of A-Jacks

PRODUCT

A-Jacks are manufactured by Armortec Canada Inc. and distributed by Nilex Inc. located in Edmonton.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

A-Jacks are high stability concrete armour units designed to interlock into a flexible, highly permeable matrix. Corporate website: www.nilex.com.

DESCRIPTION:

A-jacks can be installed either randomly or in a uniform pattern. The voids formed within the A-Jacks matrix provide approximately 40% open space in the uniform placement pattern. These voids provide habitat for fish and other marine life when applied as a reef, revetment or as a soil support system in river applications. Voids can also be backfilled suitable soils and planted with a variety of vegetation including grass, shrubs and trees

POTENTIAL USAGE:

Drop structures, weirs, energy dissipation, bridge scour protection and streambank/toe stabilization.

STANDARDS:

ASTM C150 Portland cement
ASTM C595 Blended cement
ASTM C207 Hydrated lime types
ASTM C618 Pozzolans
ASTM C33 Aggregate normal weight

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has some experience with A-Jacks.

APPLICATION STANDARDS:

Alberta Transportation does not have a standard for A-Jacks.

RECOMMENDATIONS:

A-Jacks lists as a Proven Product under Alberta Transportation Products List, – Erosion and Sediment Control Systems – Miscellaneous Erosion and Sediment Control – Proprietary, based on the information provided.

TRIAL PROJECTS

H40 S-curve north of Grande Cache
CN Rail Bridge Camrose; Hwy 2 Deerfoot Trail

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow