

Product Evaluation

RE: Review of Allan Block Fence Systems (Sound Absorption Wall)

PRODUCT

Allan Block Fence System is manufactured and distributed by Expocrete located in Acheson, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Allan Block Fence System is a concrete block sound barrier. The Allan Block Fence System consists of blocks that lock together to create posts and panel sections that are versatile and stack up quickly for easy installation. This system can incorporate curves and corners with ease and use different colored/textured or multiple shaped blocks to create beautiful patterned fences. Product Web Link: <http://www.allanblock.com/>

DESCRIPTION

The Allan Block Fence System is a mortarless concrete block fencing system that uses maintenance free interlocking blocks to create an attractive and effective solution for sound abatement. Allan Block Fence System main structural components are the Fence Post Block, the Fence Panel Block and the Fence Cap Block. The Allan Block Fence System uses the bond beams and dry-stacked units to transfer the wind load to the posts. Allan Block Fence System can be designed to withstand 129km/h wind load.

POTENTIAL USAGE

Allan Block Fence System is designed and manufactured to be used in areas that require sound attenuation. Allan Block Fence System have been installed in British Columbia and the city of Calgary. Allan Block Fence System has been tested at the University of Calgary.

STANDARDS

ASTM C1372-11
ASTM C1372-14A

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation has no specifications for sound attenuation.

RECOMMENDATIONS:

Allan Block Fence System be listed as a Proven Product under Alberta Transportation Products List, Sound Attenuation Wall Systems – Proprietary, based on the information provided.

Caveats:

A site-specific structural design based on geotechnical information and concrete requirements shall be performed for each individual project and application.

Design drawings and construction specifications shall be sealed and signed by a Professional Engineer registered in Alberta.

System must be outside Clear zone.

TRIAL PROJECTS

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Clayton Matwychuk/James Poole/Jim Gavin