

Product Evaluation

Product ID: 8252-9
Initiation Date: November 2016
Revision Date: April 19, 2017
Expiry Date: April 2020

RE: Review of Durisol Noise Barrier System

PRODUCT

The Durisol Noise Barrier System is manufactured and distributed by Armtec LP located in Hamilton, Ontario.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Durisol is a proprietary name of a hard, durable, relatively lightweight and cementitious composition. The Durisol Noise Barrier is sound absorbent, noncombustible, vermin proof and does not rot. The Durisol material contains no toxic ingredients, is light weight, thermally insulating, non-combustible, insect proof and sound absorptive. Product Web Link: <https://www.armtec.com/product/durisol-precast-noise-barriers/>

DESCRIPTION

Durisol is a proprietary cement bonded wood fibre material. It is composed of specially graded recycled waste wood (100% clean, natural softwood lumber) that is neutralized and mineralized and then bonded together with Portland cement. Post spacing up to 24 feet (7.3m) and wall heights over 35 feet (10.7m) have been constructed. Durisol systems are noise absorptive on both sides and can incorporate solid noise reflective or transparent elements.

POTENTIAL USAGE

The Durisol Noise Barrier System is designed and manufactured to be used in areas that require sound attenuation. Durisol precast noise barriers are available in a variety of architectural finishes and colors.

STANDARDS

NPCA – ISO 9001:2008
CSA A23.4

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation have no specifications for sound attenuation.

RECOMMENDATIONS:

Durisol Noise Barrier System be listed as a Potential Product under Alberta Transportation Products List, Sound Attenuation Wall Systems – Proprietary, based on the information provided.

Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Bill Kenny/Jim Gavin/James Poole