

Product Evaluation

Product ID: 8252-1
Initiation Date: June 2006
Revision Date: June 29, 2006
Expiry Date: June 2009

RE: Review of Whisper Wall (Sound Absorption Wall)

PRODUCT

The Whisper Wall system is manufactured and distributed by Concrete Systems Northwest located in Chesapeake, Virginia.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Whisper Wall Sound Absorption System has been in use since 1994 with over 12 million square feet installed in the United States, Canada and Puerto Rico. Whisper Wall has been approved in several states and provinces. Whisper Wall absorbs sound by using a highway generated waste product of rubber vehicle tires. Rubber tires are recycled and processed into small chips; the rubber chips are then blended with natural sound absorbing aggregate, cement and polymers to produce a sound absorbing structure. Product Web Link: <http://www.whisper-wall.com/>

DESCRIPTION

Whisper Wall is a sound absorbing concrete noise wall panel which is 8 inches thick consisting of 4 inches of sound absorptive mixture and 4 inches of structural concrete. Panels can span up to a distance of twenty four feet and stacked as high as 54 feet.

POTENTIAL USAGE

Whisper Wall is designed and manufactured to be used in areas that require sound attenuation. Whisper Wall is also designed and manufactured to be maintenance free with the exception of vehicle impact. Damage of the system can be repaired on site by utilizing the dry mix repair material provided with installation.

STANDARDS

ASTM C150, C33, C260, C494, A615, A184, A185 and A497

ALBERTA INFRASTRUCTURE and TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Infrastructure and Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Infrastructure and Transportation have no specifications for sound attenuation.

RECOMMENDATIONS:

Whisper Wall System be listed as a Potential Product under Alberta Infrastructure and 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
Steve Otto/Richard Chow/Bill Kenny/Jim Gavin