



Product Evaluation

Product ID: 8252-10
Initiation Date: November 2016
Revision Date: August 25, 2020
Expiry Date: August 2021

RE: Review of AcoustaShield 12” Plank Noise Barrier System

PRODUCT

The AcoustaShield 12” Plank Noise Barrier System is manufactured by Valmont Composite Structures located in Newberry, South Carolina, and distributed by Carsonite Composites located in Newberry, South Carolina. Product Web Link: <http://www.carsonite.com/products/sound-barriers/acoustashield-sound-wall>

VENDOR CLAIMS AND INFORMATION

CLAIMS

AcoustaShield 12” Plank Noise Barrier System consists of stacked tongue and groove structural planks. The planks are comprised of a glass reinforced thermoset composite structural shell. AcoustaShield 12” Plank will perform in temperatures of -40°F to 140°F without exhibiting any cracking, deformation or separation to the material.

DESCRIPTION

AcoustaShield 12” Plank Noise Barrier System components are constructed of durable, UV resistant, continuous glass fiber reinforced, flame retardant, thermosetting composite material resistant to degradation from ozone.

POTENTIAL USAGE

AcoustaShield 12” Plank Noise Barrier System: Spans up to 18 feet wide, available in a variety of colors, can be modified and cut in the field and is lightweight and easy to install.

STANDARDS

ASTM E90, C423, E795, E84
AASHTO Standard Specifications for Structural Supports for Signs, Luminaires & Traffic Signals

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation has no specifications for sound attenuation.

RECOMMENDATIONS:

AcoustaShield 12” Plank 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

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