COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3511-12

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 607.02.02.00

FOR INTERNAL CDOT USE

Material code description full name: Wall, Sound

PART 1

Product name: Eco Sound Barrier

Product category: Environmental\Sound Wall\Reflective

Product representative (name & address):
Attn: Cory Matchett, Product Manager
CENTRIA
1005 Beaver Grade Road
Moon Township, PA 15108
Phone: (412) 299-8260 FAX: (412) 299-8316

Manufacturer (name & address):
Attn: Cory Matchett, Product Manager
CENTRIA
1005 Beaver Grade Road
Moon Township, PA 15108
Phone: (412) 299-8260 FAX: (412) 299-8316

Web-site address: www.ecosoundbarrier.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

Eco Sound Barrier is a reflective composite noise barrier panel made with 20 gauge painted galvanized steel skins and a urethane modified isocyanurate foam core. The panels have double tongue-and-groove joinery and are finished with a Duraguard Plus finish system consisting of a nominal 0.8 mil primer with a nominal 0.8 mil 70% Hylar 5000 or Kynar 500 color coat and a 0.8 mil 70% Hylar 5000 or Kynar 500 clear coat. A Duracast finish option which mimics a precast concrete appearance is also available consisting of a nominal 0.2 mil primer with a nominal 0.8 mil polyester and matching spray applied acrylic and natural aggregate texture coat. The panels are 36" high and available in lengths up to 14'. Eco Sound Barrier panels can be cut to size to fit field conditions. Eco Sound Barrier panels have a tested STC of 26. They weigh 4.26 lbs./sf. The panel finishes are warranted for 20 years and the product is maintenance free.

Note: Eco Sound Barrier is the same product as CENTRIA's Versawall product, which is referenced in some of the product literature.

Restrictions, (installation and/or use):
Can not be used as a crash barrier.

Use of the product, (be specific to CDOT highway activities only):
As a ground or bridge mounted reflective noise barrier wall panel system along highways.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Eco Sound Barrier is made from 23% recycled material and is 100% recyclable at the end of its useful life. It is lightweight which makes it easier and faster to install and requires far fewer trucks to deliver and unload than traditional precast concrete noise barriers. These benefits result in lower total project costs and durations.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- ☐ CDOT :
- ☒ ASTM : E 90; E 413
- ☒ AASHTO : Guide Specification for the Structural Design of Sound Barriers
- ☐ FHWA :
- ☒ other : MBDC - Certified Cradle to Cradle (Silver)

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Riverbank Acoustical Laboratories (March 21, 2008)
- ☐ other :

State DOT Approvals, (current documentation required):
California, Ohio, Pennsylvania, Utah

Sample submitted: ☒ yes ☐ no ☐ n/a

Materials Safety Data Sheets (MSDS): ☒ yes ☐ no ☐ n/a

Notes/Additional Comments
Additional information available upon request.