COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2576-03

Materials Laboratory
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

PART 1

Product name: SoundSorb

Product category: Environmental\Sound Wall\Absorptive

Product representative (name & address):
Foster Geotechnical {Paul Schubring}
7458 Black Tree Lane
Citrus Heights, CA 95610
Phone: (916) 705-9076 FAX: (916) 725-6780

Manufacturer (name & address):
Concrete Solutions, Inc.
3300 Bee Caves Road, Suite 650
Austin, TX 78746
Phone: (512) 327-8481 FAX: (512) 327-5111

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
An open-cellular, cement-based, lightweight, durable, free-draining acoustic material that minimizes the effects of noise and provides superior noise absorption along the highway. A Noise Reduction Coefficient of 1.0 can be achieved with 90mm of SoundSorb. Normal concrete has an NRC of 0.1. SoundSorb is non-flammable. SoundSorb is a wet-cast product, easily integrated into precasting operations. SoundSorb can be worked into a variety of textures, architectural finishes and custom form liner applications. Color can be either integral or applied. A water-repellant coating is available making SoundSorb weather resistant and acoustically effective.

Usage of product, (be specific to CDOT highway activities only):
Highway noise barriers (soundwalls).

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Decreased noise transmission will satisfy FHWA noise reduction guidelines on sound barrier projects. More efficient noise reduction can mean reduced heights of the noise walls necessary to satisfy the FHWA requirements, thus reducing barrier cost. Absorption of noise can make practical the use of parallel noise barriers. Often, parallel reflective noise walls have contributed to increased noise levels further from the roadway.

Specifications, (identify specifically those applicable) **& Certificate of Compliance** (submittal required):

- ☐ CDOT :
- ☒ ASTM : C 243-01, E 90-99, E 84-95, C 666
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

Product testing, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ☒ other : Architectural Testing, Inc. (05/23/02); Omega Point Laboratories, Inc. (02/22/96)

State DOT Approvals, (current documentation required):

Evaluation Procedure, (recommended):
Review of test results.

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

Notes/Additional Comments
Samples of SoundSorb can be made available upon request. The Representative is available for meetings in Colorado to discuss SoundSorb. Foster Geotechnical is a Division of L.B. Foster Company

Manufacturer's Web-site address: www.soundsorb.com / www.lbfoster.com

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