



SoundSorb® Technical Data

Sound solutions for the transportation industry

Description

SoundSorb is a cementitious, open-cellular material that integrates with concrete. This acoustical material can be customized to meet transportation noise mitigation specifications.

Variety of Uses

Transportation, industrial, commercial and residential noise mitigation projects.

Acoustical Values

ASTM C-423: NRC .70 - 1.0

ASTM E-90: STC 51 w/ concrete backing

Aesthetics

- Replicates any liner surface, such as rustic barn wood, fractured fin, granite and brick, as well as custom designs.
- Stain is sprayed on the surface for color uniformity and improved water resistance.
- Iron oxides can be mixed with SoundSorb to colorize the material throughout.
- Anti-graffiti coatings are available.

Fire Testing

ASTM E 84-95 Results: Class A

UL Flame Spread Results: Zero flame/smoke

Combustibility: E136

Thermal Conductivity

Dynatech Lab, Cambridge, Mass., USA

K= .70 per inch

R= 1.43 per inch

Freeze-Thaw

ASTM C-666 (passed 300 cycles)

Cost Competitive

SoundSorb sound-absorptive walls and barriers are cost competitive with reflective barriers depending on the wall design.

Weather Resistant

Durable under all weather conditions. No rotting, rusting, warping or discoloration and is mildew resistant. SoundSorb is freeze-thaw resistant due to the free-draining, porous nature of the material.

Easy Maintenance

Water-resistant coating can be applied to surface to maintain sound absorption. Walls and barriers can be washed and will maintain effectiveness. Textured surfaces help reduce maintenance.

Easy to Fabricate

Basic precast forming techniques are used in the fabricating process.

Lightweight

Material is lightweight and excellent for elevated rail, bridge structures and weight-sensitive projects.

Installation

SoundSorb can be integrated into full-size or stackable panels for easy installation.

Versatile Wall Designs

This material can be integrated into most wall designs, including double-sided sound absorption. Textured liners can be used to stamp texture into material. Custom work is also available.

Local Licensees Reduces Shipping Costs

Qualified precast companies are licensed nearest the noise mitigation construction site and employ local labor, reducing project costs.

Contact CSI for ASTM test reports or more info.

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featuring

SOUNDSORB®

Sustainable Noise Mitigation Solutions