



TRAFFIC SAFETY SUPPLY COMPANY

Your Traffic Sign & Supplies Resource Since 1956

SOUND BARRIER



- More effective than concrete, metal, or wood, and much better looking.
- Exceeds AASHTO and DOT sound-wall guidelines.
- Modular, lightweight design.
- Easy installation without a heavy crane.
- Naturally fire resistant.
- Withstands harsh weather and corrosive elements.
- Provides positive use for unwanted, waste tires.
- Heights up to 28 feet (8.5 m).
- Available in virtually any color or color combination.
- Low maintenance.
- Repairs after vehicle impact can be made year-round, without large lifting equipment or concrete pouring and with minimal traffic diversion.

The Carsonite Composites AcoustaShield Sound Barrier System is a revolutionary development in noise containment, with the added environmental benefit of recycling discarded tires. AcoustaShield is perfect for highways, mass transit lines, crowded residential roads, and scenic areas where vehicle noise is a factor.

The AcoustaShield system uses recycled rubber as filler for tongue and groove boards that are engineered of fiber-glass reinforced polymer composite. The lightweight design (only 7.5 pounds per square foot) requires no heavy lifting equipment for installation and minimal traffic diversion to repair it.

Design Factors	AcoustaShield	Concrete	Wood	Metal
Type of System	Post/Panel	Post/Panel	Post/Panel	Post/Panel
Moisture Resistance	Excellent	Good	Poor	Poor
Freeze/Thaw Resistance	Excellent	Fair	Poor	Poor
Service Life	50+ Years	50 Years	25 Years	25 Years
Structurally Self-Supporting	Yes	Yes	Yes	Not All
Fire Resistance	Excellent	Excellent	Poor	Excellent
Graffiti Resistance	Excellent	Poor	Poor	Excellent
Weight Per Sq. Ft.	5-8 lbs.	100-125 lbs.	30-45 lbs.	5-7 lbs.

Decibel Reduction Comparison Chart				
Material	STC Rating	Highway Noise Level	Minus (-) STC Rating	Equals (=) Noise level after wall installation
AcoustaShield	37	90 dBA	- 37	= 53 dBA
Concrete	28	90 dBA	- 28	= 62 dBA
Metal	27	90 dBA	- 27	= 63 dBA
Wood	26	90 dBA	- 26	= 64 dBA

Highway noise is normally about 90 dBA. A neighborhood is considered quiet at 45-55 dBA. As this chart shows, The AcoustaShield Sound Barrier is the only wall that will make your neighborhood quiet.

Custom designed to meet your job specifications. The AcoustaShield Sound Barrier can be ordered in an array of standard colors, architectural colors, and color matching is also available. You can "stack" more than one color to achieve dramatic stripe effects.