



Sound Barrier Road Noise Barrier Sheet Highway Soundproof Panel

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: YUDA
- Model Number: Sound barrier
- Minimum Order Quantity: 50 Piece
- Price: Determined by size and quantity
- Packaging Details: Customized according to buyer's requirements
- Delivery Time: 3-10 day
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 200000 Meters/ day



Product Specification

- Product Name: Sound Barrier
- Key Words: Outdoor Sound Barrier
- Panel Style: Steel Panel, PC Board
- Application: Highway, Railway, Noise Barrier, etc
- Panel Thickness: At Your Request
- Panel Length: 2m~4m Can Custom
- Feature: High Stability, Eco-friendly, Effective Railway Noise Barrier
- Sheets Thickness: 0.8-1mm, Can Be Customized
- Highlight: Road Noise Barrier Sheet, Highway Soundproof Panel, Sound Barrier Road Noise Barrier Sheet



Product Description

Sound Barrier Road Noise Barrier Sheet Highway Soundproof Panel

A noise barrier (also called a soundwall, sound berm, sound barrier, or acoustical barrier) is an Sound insulation and noise reduction exterior structure designed to protect inhabitants of sensitive land use areas from noise pollution.

Sound waves bend (downward) when they pass an edge, such as the apex of a noise barrier. Further complicating matters is the phenomenon of refraction, the bending of sound rays in the presence of an inhomogeneous atmosphere. Wind shear and thermocline produce such inhomogeneities

noise barrier/road noise barriers

1.The picture of Sound Barrier

2. Sound Barrier detail

Standard height: 2,000mm, 2,500mm, 3,000mm and space between poles 1,000mm, 2,000mm and 2,500mm. it is available upon customer request. Steel structure and sound insulation screen consist of the sound barrier. The design already takes fully consideration of express way and subway's wind load, transportation traffic's striking security and all days' chemical proof in the open air.

Noise barrier is mainly used for sound insulation and noise reduction in transportation and municipal facilities such as expressways, elevated composite roads, urban light rail and subways, and to control the impact of traffic noise on nearby urban areas. It can also be used for sound insulation and noise reduction in factories and other noise sources.

Parts list	Items	Product description
Noise barrier panel	Metal material	Galvanized sheet aluminum alloy sheet, color plate
	Transparent material	Glass, PC board, acrylic board, etc.
	Other material	High strength cement, cement wood chips, glass steel, etc.
	Hole pattern	Louver holes; common hole spacing 20*137, 20*182
		Micropores; common 3 holes 3 distances, 5holes 2 distances, 2 holes 4 distances
	Aperture ratio	Not less than 25%
	Common size	500*2000*80(100) mm,500*2000*120 mm,1000*2000*80(100) mm etc.
	surface concave groove	Can be customized according to drawings or customer requirements
	Surface treatment	Electrostatic powder coating, fluorocarbon spraying
H shape post	Color	Green 6029, blue5017, gray7042, white 9010, etc. color can be selected according to the national standard color card
	Material	Q235B
	Common size	100*100*6*8 125*125*6.5*9 150*150*7*10 175*175*7*11 etc.
	Common height	2m-6m up to 12m
	Flange	Size tolerance less than 2mm, thickness tolerance less than 0.4mm
		Long hole:22*30 24*30 26*40 28*40; round hole:22 24 26 28 30 35
Noise absorb material	Surface treatment	Hot dip galvanizing-electrostatic powder coating, fluorocarbon spraying
	Color	Green 6029, blue5017, gray7042, white 9010, etc. color can be selected according to the national standard color card
Noise absorb material	Glass wool, rock wool, water-repellent, cloth, acoustic felt, foam aluminum fiber etc.	

FAQ

1. Q: Are you a factory or trading company?

A: We are a factory.

2. Q: What certificate do you have?

A: We have ISO and CE certificate.

3. Q: How does your factory do regarding quality control?

A: We have a special QC department in charge of products' quality.

4. Q: How long is the warranty period?

A: All of our products have one year warranty.

5. Q: What's the main market of your company?

A: We have customers all over the world.

Sound Absorption Data

Frequency/Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	$\bar{\alpha}$	NRC
Sound absorption coefficient α	0.19	0.18	0.32	0.35	0.61	0.74	0.84	0.83	0.85	0.94	0.92	0.86	0.87	0.82	0.86	0.86	0.86	0.91	0.71	0.80

Remark:
 1. $\bar{\alpha}$ is 100-5000Hz Average sound absorption coefficient.
 2. NRC is Noise Reduction Coefficient, it's 250,500,1000,2000Hz 4 frequency range sound absorption coefficient's arithmetic mean value.



