

# Sound Barrier Road Noise Barrier Sheet Highway Soundproof Panel

# **Basic Information**

Place of Origin: CHINA
Brand Name: YUDA
Model Number: Sound barrier
Minimum Order Quantity: 50 Piece

Price: Determined by size and quantityPackaging 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 BarrierPanel Style: Steel Panel, PC Board

Application: Highway, Railway, Noise Barrier, etc

Panel Thickness: At Your RequstPanel 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<br>barrier<br>panel   | Metal<br>material  | Galvanized sheet aluminum alloy sheet, color plate   |  |  |  |  |  |  |  |
|                             | Transparent material   | Glass, PC board, acrylic board, etc.   |  |  |  |  |  |  |  |
|                             | Other<br>material  | High strength cement, cement wood chips, glass steel, etc.   |  |  |  |  |  |  |  |
|                             |  | 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<br>size   | 500*2000*80(100) mm,500*2000*120 mm,1000*2000*80(100) mm etc.  |  |  |  |  |  |  |  |
|                             | surface<br>concave<br>groove   | Can be customized according to drawings or customer requirements   |  |  |  |  |  |  |  |
|                             | Surface treatment  | Electrostatic powder coating, fluorocarbon spraying  |  |  |  |  |  |  |  |
|                             | Color  | Green 6029, blue5017, gray7042, white 9010, etc. color can be selected according to the national standard color card             |  |  |  |  |  |  |  |
|                             | Material   | Q235B  |  |  |  |  |  |  |  |
| H shape<br>post             | Common<br>size   | 100*100*6*8 125*125*6.5*9 150*150*7*10 175*175*735*11 etc.   |  |  |  |  |  |  |  |
|                             | Common<br>height   | 2m-6m up to12m   |  |  |  |  |  |  |  |
|                             | Flange   | Size tolerance less than 2mm, thickness tolerance less than 0.4mm  |  |  |  |  |  |  |  |
|                             | liange   | Long hole:22*30 24*30 26*40 28*40; round hole:22 24 26 28 30 35  |  |  |  |  |  |  |  |
|                             | 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<br>absorb<br>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.

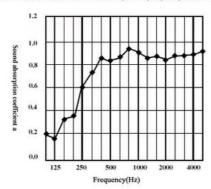
# **Sound Absorption Data**

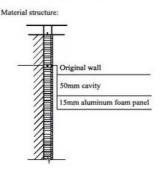
| Frequency/Hz                      | 100  | 125  | 160  | 200  | 250  | 315  | 400  | 500  | 630  | 800  | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | ā    | NRC  |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Sound absorption<br>coefficient a | 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:

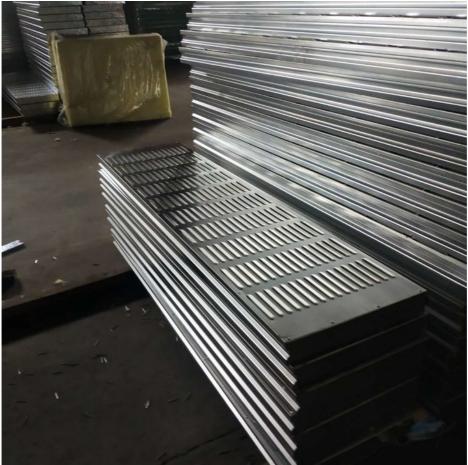
1.a is 100-5000Hz Average sound absorption coefficient.

2.NRC is Noise Reduction Coefficient, it's 250,500,1000,2000Hz 4 frequency range sound absorption coefficient's arithmetic mean value.









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