NHUUR

Metal Panel

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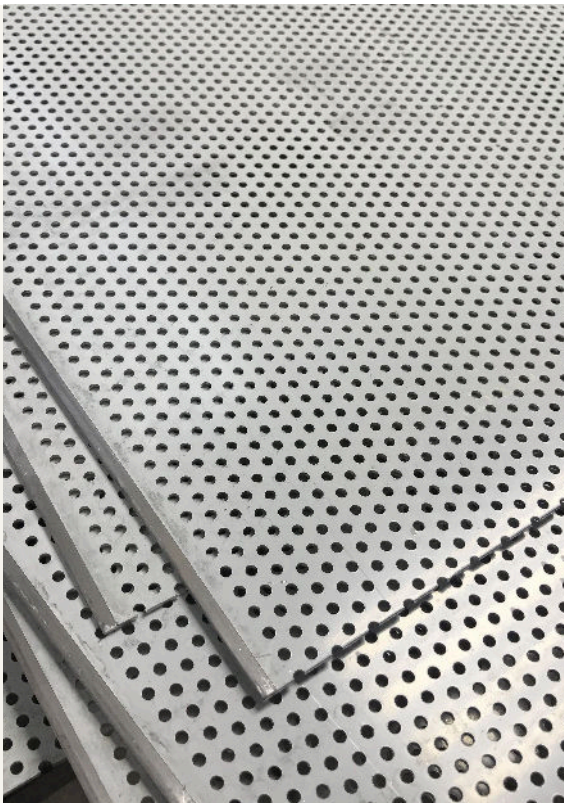
Metal Panels

are sound-absorbing panels made from metal sheets with precision-drilled perforations. These panels combine robust durability with effective acoustic performance. The perforations in the metal allow sound waves to pass through an underlying acoustic material, such as mineral wool or fabric, where the sound energy is absorbed. This design effectively reduces noise levels, echo, and reverberation.



Fire Resistant
Class A

Design Versatile
Print, perforation pattern

Durability & Strength
Impact Resistant & Strong

INSTALLATION

Walls: wall-mounted
Ceiling: Ceiling-hung, or integrated into suspended ceiling systems.
Ensure correct spacing, perforation size, and open area percentage as it is crucial to achieve optimal noise reduction.

APPLICATION

Metal panels are easy to clean and maintain, ensuring long-term performance with minimal effort. With proper coatings, metal perforated panels can withstand moisture and environmental factors, making them ideal for outdoor and high-humidity areas.

Industrial Facilities: Factories, Mechanical Rooms, And Power Plants
Commercial Spaces: Offices, Retail Spaces
Public Buildings: Airports, Train Stations, Auditoriums
Outdoor Use: Parking Garages, Building Facades, Sports Facilities

PRODUCT SPECIFICATIONS

Composition: Metal | **Color:** Powder coated RAL

Dimensions : 2440*1200mm / Cust | **Fire resistance:** ASTM E84 Class A, EN 13501-1 A2-s1,d0

Acoustic Co-efficient							
Thickness	Frequency						Avg.
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
50mm	0.45	0.55	0.7	0.85	0.95	0.9	0.75
80mm	0.6	0.65	0.80	0.85	0.9	0.95	0.8
100mm	0.65	0.7	0.85	0.9	1.0	1.0	0.85

FEATURES

Fire Resistance

A2 fire rating, no drop formation and Non-Toxic Smoke Emission when burning.

Durability & Strength

Impact-Resistant & Strong – Long-lasting material with minimal maintenance.

Aesthetic Versatility

Available in Different Densities & Thicknesses – For different applications.

Moisture & Mold Resistance

Does not degrade in damp environments, Ideal for high, moisture areas like pools and spas.

Breathable Material

Helps regulate indoor air quality.

NHUUR

“Where sound finds *harmony*”

NHUUR ACOUSTICS

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