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INNOVATIVE PRODUCTS AND SERVICE FOR CONSTRUCTION PROJECTS AND AUTOMATIVE SERVICE.

PERFORATED CORRUGATED METAL PANELS.

The Possibilities are Endless!
PERFORATED CORRUGATED METAL PANELS

Hebei Qiusuo Wire Mesh Products Co., Ltd.
About Qiusuo

Hebei Qiusuo Wire Mesh Products Co., Ltd., located in Anping, Hebei, China, is a professional decorative metal sheets manufacturer. The factory was founded in 1998. The widest products ranging from corrugated perforated metal sheets, expanded metal sheets, safety gratings and so on.

As a manufacturing and trading combo, we own workshops of punching, laser cutting, metal expanding, welding and quality inspection department. As a result of our high quality products and outstanding customer service, we have gained a global sales network reaching to the USA, Middle-East, Europe and Africa etc.

Just send us your drawing and picture, we can individually tailored solutions for every customer. We have 10 experienced foreign trade sales staff in our sales department. They can answer and resolve all your problems and even can individually tailored solutions for every customer.
# Brief Introduction

Perforated corrugated sheet is an innovative and exciting choice in architectural ornament. It is a perfect combination of corrugated and perforated style panels. There are various hole sizes and patterns for your selection. Then we will roll form or bend the perforated sheets into corrugated configurations whatever you are looking for. Apply perforated corrugated sheets to your projects, there are not only three-dimensional in appearance but also anacoustic in the noise environment.

## General Materials

<table>
<thead>
<tr>
<th>Material</th>
<th>Width</th>
<th>Thickness</th>
<th>Steel Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aluminum</strong></td>
<td>0.3–1.5 m</td>
<td>0.3–2 mm</td>
<td>AISI 1018, 1144, 12L14, 8620, ASTM A606, A653, A366, A513, etc.</td>
</tr>
<tr>
<td><strong>Aluminum Model</strong></td>
<td>Aluminum: 1060, Aluminum alloy: 3003, 3004, 3105, 5052, 5083, 2024, 6061, 3004, 7072, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Galvanized steel</strong></td>
<td>0.3–1.5 m</td>
<td>0.3–2 mm</td>
<td>AISI 1018, 1144, 12L14, 8620, ASTM A606, A653, A366, A513, etc.</td>
</tr>
<tr>
<td><strong>Stainless steel</strong></td>
<td>0.3–1.5 m</td>
<td>0.3–2 mm</td>
<td>304, 316, 430, 410, 301, 302, 303, 321, 347, 416, 420, 430, 440, etc.</td>
</tr>
<tr>
<td><strong>Weathering Steel</strong></td>
<td>0.3–1.5 m</td>
<td>0.3–2 mm</td>
<td>ASTM A242, A588, A606-4, etc.</td>
</tr>
</tbody>
</table>

## Weathering Steel

Weathering steel, also called corten metal, is developed to eliminate the need for painted steel and to ensure that the steel will form a stable rust-like appearance even if the elements are exposed outdoors for a long time.
General Information

- **Width**: 0.3–1.5 m.
- **Thickness**: 0.3–2 mm.
- **Length**: 1 m, 2 m, 2.44 m, 3 m, 6 m, 8 m, ≤ 12 m.
- **Hole Diameter**: 0.8–20 mm.
- **Hole Arrangement Mode**: straight, staggered.
- **Staggered Center**: 0.8–20 mm.
- **Mesh Opening Area**: 7% – 83%.
- **Pattern Design**: available.
- **Configuration**: Symmetrically or asymmetrically.
- **Surface Treatment**: standard, anodic oxidation, galvanized, powder coating or fluorine carbon spraying.

Suitable material: carbon steel.

**Hot Dipped Galvanized**

Hot-dip galvanizing is the most widely used and cost-effective steel surface treatment method. It plays an invaluable and irreplaceable role in the corrosion resistance and energy saving of steel. The hot-dip galvanized perforated metal panel will not rust in a few years.

Suitable material: carbon steel.

**Anodic Oxidation**

This is an electrolytic oxidation process in which the surfaces of aluminum or aluminum alloys are usually converted into an oxide film. Thereby improving the corrosion resistance, wear resistance and hardness of the metal plate. There are a variety of beautiful colors available.

Suitable material: aluminum or aluminum alloys.

**Powder Coated**

Powder coating, a dry finishing process, is applied as a free-flowing, dry powder. The main categories of powder coating include thermosets and thermoplastics. As a result, it can create a hard finish that is tougher than conventional paint.

Suitable material: carbon steel, aluminum or aluminum alloys.

**Fluorine Carbon Spraying**

Fluorocarbon coating is a high-grade spray coating. It has excellent performance of anti-fading, anti-blooming and anti-air pollution (acid rain, etc.), as well as strong crack & UV resistance and ability to withstand harsh weather conditions.

Suitable material: aluminum or aluminum alloys.

**2B/2D/2R mill finish**

Mill finish refers to the surface texture (or finish) of metal after it is processed by a rolling mill, extrusion die or drawing. Or rather, it is the basic supply condition for all stainless steel panels products. The 2B surface is a bright cold-rolled surface that is very similar to the 2D surface.

Suitable material: stainless steel.

**Galvalume**

Thanks to the aluminum coating, the galvalume steel has excellent corrosion resistance. When zinc is worn away, the aluminum forms a dense layer of alumina that prevents corrosive substances from further corroding the interior of the product. The surface of galvalume steel plate is smooth, flat and its base color is silver white. The finished product is resistant to high temperature and has good stamping, shearing and welding processing properties.

Suitable material: steel.

**Flux paint**

Flux paint is a retro and fashionable surface treatment method. Finished effect has a fine texture to form a natural texture of real metal corrosion. The flux painted perforated metal sheet has been used in bars, clubs, cafes, stadiums in recent years.

Suitable material: steel.

**Round Hole (standard)**

The most classic and proposed hole shape. It can blend into the surrounding environment naturally.

* Square, triangular, slotted, hexagonal and other decorative holes are also available.

**Hole Shape**
### Perforated Corrugated Sheet

#### Round Hole (Straight Pattern)
- Perforation diameter ($d$)
- Center distance ($c$)
- Open area (%) = $0.785 \times \left(\frac{d}{c}\right)^2 \times 100$

#### Round Hole (45 °C Staggered)
- Perforation diameter ($d$)
- Center distance ($c$)
- Open area (%) = $1.57 \times \left(\frac{d}{c}\right)^2 \times 100$

#### Round Hole (60 °C Staggered)
- Perforation diameter ($d$)
- Center distance ($c$)
- Open area (%) = $0.91 \times \left(\frac{d}{c}\right)^2 \times 100$

### Specification of Perforated Corrugated Panels

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Coverage (inch)</th>
<th>Rib Height (inch)</th>
<th>Rib Distance (inch)</th>
<th>Thickness (gauge)</th>
<th>Width (inch)</th>
<th>Length (feet)</th>
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Best-Selling Profile Shape

Main Hole Arrangement
Application Fields

Perforated corrugated sheet