

3003 Aluminum Corrugated Sheet

Because of their reduced density, 3003 aluminum corrugated sheets are much lighter than other materials like steel. Because of its increased resistance to bending and compression, high strength 3003 aluminum corrugated plate can tolerate a variety of loads and external impacts. Because aluminum resists corrosion well, 3003 aluminum corrugated sheets are very resistant to corrosion in alkaline, acidic, and humid conditions.

For siding, flooring, and roofing, we provide corrugated aluminum metal panels. Aluminum corrugated metal sheet is a durable, lightweight, weatherproof material that may be used for a variety of purposes.

Our ability to produce metal sheets in nearly any material and standard size allows us to guarantee client satisfaction as the industry leader in offering the best aluminum corrugated metal sheets. We provide a wide range of finishes that are likely to please your tastes

Why choose GNEE

GNEE is well regulated, has excellent weldability, and is highly resistant to corrosion, bending, and compression. When sliced, the surface is clean and smooth, and a variety of colors and textures may be seen depending on the surface treatment.

GNEE is the maker of aluminum corrugated sheets, offering a wide range of requirements and full equipment. able can be measured in accordance with the standard, bespoke cutting that is needed. Materials may be fabricated, bent, shaped, cut, sheared, and torn into any size or shape.

GNEE has a complete management system, accurate dimensions, and production standards comply with GB/T 3880-2005, B209-2020, JC/T 1074-2012, ASTM A1196-2020, ISO 9001, CE, SGS.

Chemical component of 3003 aluminum corrugated sheet

Chemical component	
Al	Standard Value
Si	≤0.60 %
Fe	≤0.70 %
Cu	0.05-0.20 %
Mn	1.0-1.5 %
Zn	≤0.10 %

Surface treatment of 3003 aluminum corrugated sheet

Anti-corrosion therapy

To improve corrosion resistance, anti-corrosion treatment techniques include coating, anodizing, and galvanizing.

Coating the surface

In order to improve the look, weather resistance and protection performance of the aluminum corrugated sheet, the surface can be coated with polyester coating, fluorocarbon coating and polyurethane coating.

Mechanical intervention

Additionally, 3003 aluminum corrugated sheet may be brushed, sanded, and polished to enhance its texture and look.

Painting and printing

The surface of the aluminum corrugated sheet can be painted and printed to fulfill certain design specifications or to achieve advertising.

Packaging, transportation and storage of 3003 aluminum corrugated sheets produced by GNEE

Simply stacked, 3003 aluminum corrugated sheets are packaged without paper or oil.

Kraft paper should be wrapped around the board stack, knotted with nylon braid, and then wrapped securely with asphalt paper. The board stack should then be coated with a layer of plastic film, and box covers should be used to firmly nail the top and bottom ends of the board stack.

The height of each stack of corrugated boards should not exceed 500mm, and the gross weight of each stack should not exceed 2000kg.

Applications of 3003 aluminum corrugated sheets

Constructing walls and roofs

Because of their high resistance to weather and corrosion, 3003 aluminum corrugated sheets can shield structures from inclement weather and the elements.

Interior design and decoration

3003 aluminum corrugated sheet is very often employed in the field of interior decorating because of its distinctive look and feel. It may be used on furniture, walls, ceilings, and other surfaces to give the room beauty and individuality.

Shell of a vehicle

Body shells and cargo boxes may be made using 3003 aluminum corrugated sheets due to their strength and low weight, which adds structural strength and offers protection.

To guarantee the safe transportation of products, containers made of 3003 aluminum corrugated plate have good waterproof performance and can tolerate high pressure and external damage.

Not heavy

Because 3003 aluminum corrugated sheet has a lower density than other materials like steel, it is extremely light.

It can tolerate specific weights and external shocks because to its high strength 3003 aluminum corrugated sheet, which increases its resistance to bending and compression.

Resistance to corrosion

Because aluminum resists corrosion well, 3003 aluminum corrugated sheet resists corrosion well in alkaline, acidic, and humid conditions. Ideal for rooftops that are close to the sea.

The corrugated shape of the 3003 aluminum sheet is lovely, large, brilliant, and smooth, and it complements both modern and classic architectural design styles.

Particularly when employed in expansive spaces, the interaction of light and shadow produces an aesthetically pleasant and compelling effect.

Easy installation

The installation method is comparatively easy and rapid since the corrugated aluminum sheet has a preset corrugated form.

Protection of the environment

Because metal can be recycled and used again, 3003 aluminum corrugated sheets are

environmentally friendly. It can lessen pollution in the environment and the use of natural resources.

The difference between the 3003 aluminum corrugated sheet produced by GNEE and the color steel plate in construction material

Content

The color steel plate is cold-rolled steelplate that has been coated or galvanized, while the aluminum corrugated sheet is composed of 3003 aluminum alloy.

Features of the 3003 aluminum corrugated sheet include its low weight, resistance to corrosion, and superior processing capabilities. Steel plates are more prone to rust than aluminum corrugated sheets.

Quality

While the color steel plate is heavier, the aluminum corrugated sheet is quite light, which can lower the weight of the entire building structure.

With surface treatment and painting, exterior 3003 aluminum corrugated sheet may be painted to a variety of colors and textures while maintaining the shine and feel of metal.

The only frequent hues seen on color steel plates are red, blue, green, and so on.

Construction and installation

Easy to bend, cut, and install, 3003 aluminum corrugated sheet offers high processing performance.

During construction, certain cutting and installation tools are needed for color steel plate.

Cost of maintenance

Because 3003 aluminum corrugated sheet resists corrosion well, it requires minimal maintenance over time.

It could be necessary to recoat color steel plates for maintenance when their coating becomes worn or damaged, which comes at a comparatively high cost.

Life of service

Corrugated sheet made of aluminum has a long lifespan and resists corrosion and rust. It could be necessary to replace the color steel plate if it becomes worn out or damaged.

GNEE, a major aluminum producer, produces high-quality 3003 aluminum corrugated sheets. For the most recent aluminum corrugated sheet quote, please click the mailbox on the right side of the website if you have usage requirements.