

## Diamond Aluminum Plate | Haomei Aluminum Sheet

**Diamond aluminum plate** are pressed aluminum sheets bearing a raised diamond pattern on one side. Diamond plate is also called tread plates, checker plates, and/or durbar plates. A great benefit of aluminum diamond plate is that it is weather and corrosion-proof, easy to clean, and skid-resistant. This makes them suitable for a wide variety of applications for both indoors and outdoors.

Diamond aluminum sheet is typically used for industrial and domestic purposes due to its high strength, low cost, malleability, and machinability. It is commonly used as a form of safe, resilient flooring and can also be used as a light construction material.

On top of being durable and non-slip, many use our aluminum diamond plate for cosmetic applications due to its attractive appearance and shiny finish. Many companies use it for flooring or wainscoting to add some contrast or even highlight parts of the space. One of our personal favorite applications for aluminum diamond plate is using it as wainscoting in car showrooms.

### Specification of diamond aluminum plate:

Item	diamond aluminum plate
Grade	1050, 1060, 1100, 3003,5052, 5083, 5086, 6061 etc.
Temper	O, H12, H14, H16, H18, H24, H24, H26, H32, H34
Standard	ASTM-B209. EN573-1, GB/T3880.1-2006
Thickness	0.8 - 12mm
Width	400-1220mm
Length	max 6000mm for sheet or as required for coil
Pattern	big 5 bar / small 5 bar / 3 bar / diamond / pointer
Surface treatment	polished, mill finished, power coated, sand blast, anodized, brushed.
Surface Protection	Oleo phobic coating,protective film,paint coating.
Packing	Export wooden pallets. The bundle weight not exceed 2MT. Loading:by 1x20GP.
Quality	Totally free from defects like white rust, oil patches,roll marks, edge damage, camber, dents, holes, break lines, scratches and free from coil set.
MOQ	1-2 Metric ton
Free sample	Available
Delivery time	20-30 days after deposit

### Features of diamond aluminum sheet:

- Easily installed on project sites
- Solid surface provides maximum traction area
- Can retrofit over existing structures
- Flexibility of design and many fabrication options
- Continually meets coefficient of friction (COF) minimum requirements throughout life of product
- Low maintenance and easy to clean

Naturally aesthetically pleasing  
Does not absorb bacteria sustaining particles  
Can be recycled, making it an environmentally friendly material

**Application of diamond aluminium sheet:**

Floor Covering for hygiene and slip resistance.  
Wall and column protection to prevent impact damage where hand trucks, trolleys, sack carts are operated.  
Door protection as kick plates or as a full door cladding.  
Commercial vehicle and vans.  
Access ramp covering for wheelchairs.  
Livestock trailer tailgate ramps and flooring.  
Land rover and other off road vehicle body protection, bonnets, wings, sills, corners, floors, bumpers, mud flaps, door plates, side plates, load area plates.  
Truck Bed Tool Boxes.  
Stair treads, step ladders, walkways.  
Shop front facial for vandal protection.

**Producing Line of diamond pattern aluminum sheet:**

Haomei have one 1+2 hot rolling production line, six 2450mm, 2050mm, 1650mm, 1450mm cold rolling lines, two 1650mm foil rolling production lines, two 1850mm continuous rolling production lines and one roll coating production line. These equipment enables us to provide quality checkered plates products for our customers.

**Properties of aluminum diamond plate:**

Aluminum diamond plates according to the different classification of aluminum sheet alloy

- 1) the general tread aluminum alloy plate: 1060 aluminum plate for the plate from the processing of aluminum alloy pattern plate, able to adapt to the normal environment, low prices. Usually cold storage, flooring, packaging and more use of this pattern aluminum sheet.
- 2)Al-Mn alloy tread plate: 3003 as the main raw material processing, the diamond aluminum plate, also known as rust-proof aluminum, the strength is slightly higher than the ordinary aluminum alloy pattern plate, with a certain anti-rust properties, but the hardness and corrosion resistance Less than 5,000 series of pattern plate, so the product is not strictly used in the anti-rust, such as truck models, cold storage floor.
- 3)aluminum-magnesium alloy tread plate: 5052 or 5083, such as 5000 series of aluminum as raw material processing, with good corrosion resistance, hardness, anti-rust performance. Usually used in special places, such as ships, cars lights, humid environment, the high hardness of aluminum, a certain load-bearing capacity.

In accordance with the different patterns of diamond aluminum plate classification: pattern plate has a bar, two bars, three bars and five bars.

