



Customized 6063 Alloy Aluminum Louver Profile with Wood-grain Transfer for Window Sunlight Shade

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Certification: ISO
- Minimum Order Quantity: 1
- Price: 2980

PRODUCTS

Product Specification

- Model NO.: Aluminum Louver
- Grade: 6000 Series
- Temper: T3-T8
- Alloy: Alloy
- Alloying Ingredient: 6063
- Surface Finishing: Wood-grain Transfer
- Surface Treatment: Powder Painting
- Processing: Cutting
- Production Capacity: 100000 Ton/ Year
- Tensile Strength: $\geq 160\text{Mpa}$ (T5), $\geq 205\text{Mpa}$ (T6)
- Yield Strength: $\geq 110\text{Mpa}$ (T5), $\geq 180\text{Mpa}$ (T6)
- Elongation: $\geq 8\%$
- Extruder Capacity: 6800 Ton
- Max Profile Diameter: 350mm
- CNC Machining Length: 6 Meters



More Images



Product Description

Aluminum Window Blade Sunlight Shade Extrusion Louver Profile

Product Specifications

Material: Aluminum alloy 6063, 6061, 6060, 6082, 6005 or custom requirements

Temper: T5, T6

Quality Standard: GB5237-2008

Surface Treatment: Mill finish, anodized, powder coated, electrophoresis, sand blasting, PVDF coating, wood grain painting, matted, polishing bright

Available Colors: Silver, Bronze, Champagne, Matte, Natural for anodizing, RAL for powder coating

Packing: Protective film inside and shrinking film outside

Sample Time: Two weeks after receiving mold fee

Delivery: 20 days after deposit

Production Capacity: 100,000 tons/year

MOQ: 1 TON

Payment Terms: T/T, L/C at sight

Port: Shanghai Port

Equipment: 17 press extruders

Services: OEM & ODM available

Manufacturing Process

Die Design → Die Making → Extruding → Cutting → CNC Machining → Surface Treatment → Packing

Product Advantages

Excellent rigidity and environmental resistance

UV-resistant, acid-resistant and alkali-resistant

Lightweight and easy to install

Self-cleaning and low maintenance

Sound-insulation properties

100% recyclable

Technical Specifications

Chemical Composition

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Impurity	Al
6063	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1	0.15	Rest
6061	0.4-0.8	0.7	0.15-0.4	0.15	0.8-1.2	0.04-0.35	0.25	0.15	0.15	Rest
6060	0.3-0.6	0.1-0.3	0.1	0.1	0.35-0.6	-	0.15	0.1	0.15	Rest
6005	0.6-0.9	0.35	0.1	0.1	0.40-0.6	0.1	0.1	0.1	0.15	Rest

Mechanical Properties

Alloy	Temper	Tensile Strength	Yield Strength	Elongation
6063	T5	≥ 160MPa	≥ 110MPa	≥ 8%
6063	T6	≥ 205MPa	≥ 180MPa	≥ 8%
6061	T6	≥ 265MPa	≥ 245MPa	≥ 8%

Technical Support & Services

Our comprehensive technical support includes:

Custom design services based on customer requirements, providing CAD drawings and 3D models

Professional R&D team analysis and design optimization to reduce production costs and improve performance

One-stop service model covering product design, custom molds, aluminum bar melting, extrusion profiling, precision machining, and surface treatment

Full control over raw material alloy composition and production process accuracy

Factory Capabilities

Extrusion

Equipped with 44 aluminum extrusion lines capable of producing commercial and industrial aluminum profiles with maximum outer diameter of 350mm. Our largest 6800-ton extruder can handle profiles up to 600mm diameter for complex industrial applications including radiators, fan blades, motor enclosures, solar cell frames, and architectural products.

Anodizing

Six anodizing production lines create uniform oxidation film thickness and color. Our anodized profiles feature enhanced corrosion resistance, hardness, and wear resistance. Available in silver, black, gold, champagne, and imitation steel colors with custom options available.

Painting

Four powder spraying lines using high-quality Gema Switzerland spray nozzles with environmentally friendly, durable paints featuring strong adhesion and color retention.

CNC Machining

12 PRATIC machining centers for milling, drilling, and tapping profiles up to 6 meters

Fully automatic Wegoma cutting machines for precise, efficient cutting

30 punching machines (50-100 ton capacity) for thick profiles over 5mm

10 stretch bending machines for precise arc and angle bending

10 milling machines for various plane, bevel, and groove machining

Packing & Shipping

Manual packaging with strict warehouse management procedures, detailed transaction records, and pre-delivery inspection for quality assurance.

Certifications

Company History

2004: Recognized brand of the building industry material market

2006: Certificate for product exemption from quality surveillance inspection and ISO9001 certification

2009: Advanced company, Jiangsu famous brand certificate, credible product of quality in Jiangsu Province

2012: Established business relationships with Panasonic and LG

2015: Innovative producer and supplying partner for European clients

2017: Developed new baseboard heater products

2019: Cooperated with world's largest heater manufacturers, supplying aluminum shells

2023: Expanding overseas distributor network for win-win benefits

Featured Projects

Soccer City Stadium, Johannesburg

As the main aluminum supplier for Africa's largest stadium (94,000 seats), we contributed to this major South African project that received unanimous praise upon completion.

Lobster Trailers

Collaboration with Nordic trailer giant featuring our professional R&D team's design analysis and optimization, processed with advanced equipment to minimize costs and enhance performance.

School Furniture Project

Supplied aluminum legs for school desks, supporting local customer Dadn's successful bid with our strong design capabilities and mature manufacturing techniques.



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