



Stone Grain Aluminum Sheet



Stone grain aluminum sheets are a type of decorative aluminum product that feature a textured, stone-like finish. With various granite patterns, stone patterns, marble patterns, stone coated aluminum sheets are often used in architectural applications, interior design and manufacturing due to their aesthetic appeal and durability.

Stone grain coated aluminum sheet can simulate the texture of natural stone to achieve a realistic decorative effect. Relatively light weight, easy installation, and reduced difficulty of construction and cost. It has good durability and weather resistance and is not easy to fade or deform. It is often used in building facades and interior decoration as an alternative to expensive natural stone.

What's more, stone pattern aluminum sheet is lightweight. In the case of the same area, the quality of the aluminum is about 1/10 to 1/12 of the brick wall painting, 1/15 of the quality of the dry hanging marble and granite curtain wall, and 1/5 to 1/7 of the concrete hanging plate. Due to the quality of the interior and exterior walls of the building is 1/4 to 1/5 of the total amount of the building, we use aluminum veneer can greatly reduce the quality of the building and the low maintenance cost and high-cost performance. The load of the building structure and foundation is greatly reduced.

Specification of Stone Grain Aluminum Sheet:

Alloy	AA1050, 1060, 1070, 1100, 3003, 3004, 3105, 5005, 5052, 6061, 8011, etc
Coil thickness	0.018-1.5mm
Coil width	30-2000mm, Standard 1240mm, MAX 2020mm
Coil weight	0.5 to 5.0 tons per coil
Surface treatment	PE/PVDF coated, Wood grain
color	Various granite/stone/marble grain patterns or customized
Packing	Standard exporting packing/ or at buyer's requirement
Trade Terms	FOB/CIF etc
Diameter	405mm, 505mm, 508mm
Coating thickness	14-28 microns (PE: ≥ 14 micron, PVDF: ≥ 25 micron)
Coils core	150mm, 405mm, 505mm



diameter	
Temper	O - H112
gloss	20-100%(matte: ≥ 20 , glossy: ≥ 60)

Coating Parameter of Stone Grain Aluminium Sheet:

Item	POLYESTER	PVDF
Thickness of coating film	$\geq 18 \mu\text{m}$	$\geq 25 \mu\text{m}$
Gloss deviation	gloss < 70 , tolerance $\leq 10\%$	gloss < 70 , tolerance $\leq 10\%$
	gloss ≥ 70 , tolerance $\leq 5\%$	gloss ≥ 70 , tolerance $\leq 5\%$
Hardness of pencil	$\geq 3H$	$\geq 3H$
Adhesion	no lower than class 1	no lower than class 1
Flexibility	$\leq 2T$	$\leq 2T$
Boiling water resistance	no change (2h)	no change (2h)
Color difference	$\Delta E \leq 2.0$	$\Delta E \leq 2.0$
MEK	≥ 100 times	≥ 150 times

Warranty:

Regular PE: 3-5 years;

High Performance PE: 6-9 years;

PVDF: 15 years;

FEVE: Two coats: between 10-15 years;

FEVE: Three coats: 15-20 years.

Color Options of Stone Grain Coated Aluminum Sheet:

Common Patterns:

Granite Finish:

Mimics the speckled appearance of granite, often available in various colors such as black, grey and beige. This pattern can give a classic and elegant look.

Marble Finish:

Features a smooth, veined pattern similar to natural marble. This finish is popular for high-end applications, offering a luxurious appearance.

Slate Finish:

Resembles the rough texture of slate stone, often in darker tones. This pattern can add a rustic or industrial feel to a space.

Limestone Finish:

Mimics the softer, more subtle patterns of limestone, usually in earthy tones. This finish can provide a warm, natural look.

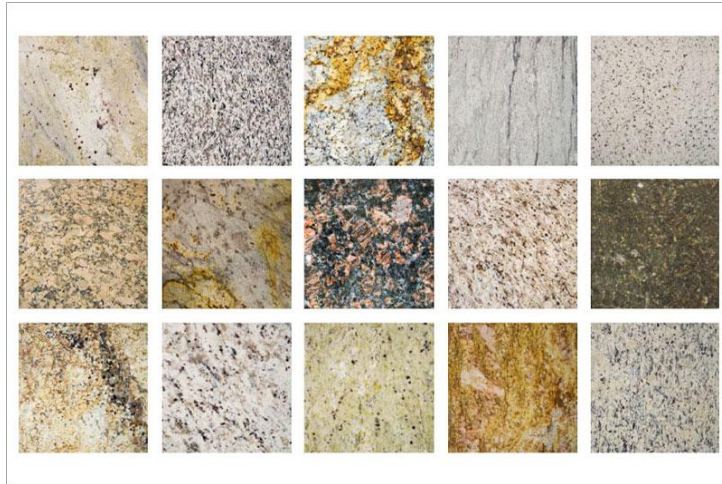
Travertine Finish:

Designed to replicate the unique textures and colors of travertine stone, often featuring a mix of light and dark shades.

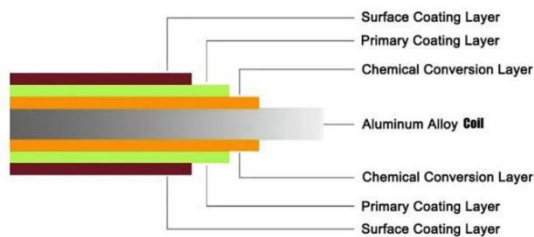
Basalt Finish:



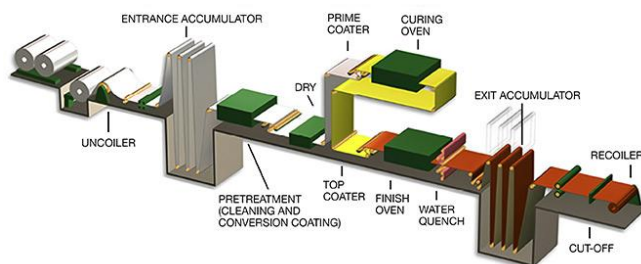
Features a more uniform, dark appearance that resembles natural basalt stone, typically used in contemporary designs.



Structure of Granite Aluminum Sheet:



Process of Coil Coating



Advantages of Marble Grain Aluminum Coil:

Excellent Decorative Effect:

The surface features realistic stone patterns and clear textures, creating a variety of stone effects, such as marble and granite. The visual effect resembles natural stone, enhancing the building's class and overall image.

Lightweight and High-Strength:

Made of aluminum alloy, it is lightweight, easy to install and transport, while providing sufficient



strength and durability to meet the decorative needs of various buildings.

Excellent Performance:

It offers excellent fire resistance and meets building safety standards. It is corrosion-resistant, UV-resistant, and weather-resistant, allowing for long-term use in harsh environments. The surface coating is stain-resistant, easy to clean, and low-maintenance.

Energy-Friendly and Energy-Saving:

It is recyclable and meets green building requirements.

Applications of Stone Coated Aluminum Sheet:

Interior Design:

Used in wall panels, ceiling, column cladding, cabinetry, and furniture for a modern look.

Exterior Facades:

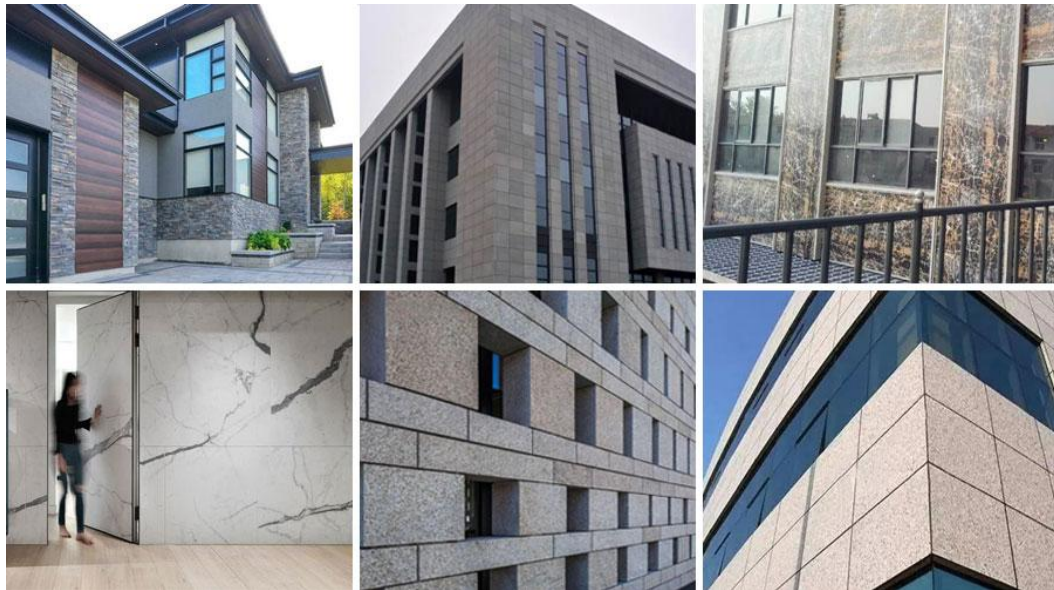
Ideal for building exteriors where a stone appearance is desired without the associated weight.

Architectural curtain walls:

Suitable for exterior decoration of high-rise buildings, commercial complexes, hotels, and more.

Public transportation:

Commonly used in public spaces such as subway stations, airports, and high-speed rail stations, enhancing the aesthetics and modern feel of the space.



Packaging of Granite Aluminium Sheet:

- 1) LCL by wooden pallet package, fumigation wooden pallet is available
- 2) FCL by wooden pallet package loaded in the container
- 3) FCL in bulk loaded in the container
- 4) Customized package according to your demands

Shipping:

7-15 days after receipt of payment(depend on order quantity)