

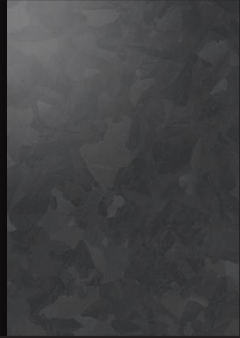
DNP

DNP Aluminium Decor Panel
for Interior & Exterior

DNP Aluminium Decor Panel for Interior & Exterior

A premium, design centric, & high-value added aluminium panel series provide unique & rich expressions to Interior, Semi-Exterior and Exterior applications for architectural projects.

Design Examples



ASN001
Phosphate(Dark)



ASN102
Blackened Metal



ASN103
Sulphide Oxidized



ASN104
Corten Copper



ASN105
Bronze



ASN107
Woodgrain(Walnut)



ASN108
Metal + Woodgrain



ASN109
Abstract(Pastel Blue)



ASN110
Ceramic



ASN111
Patina

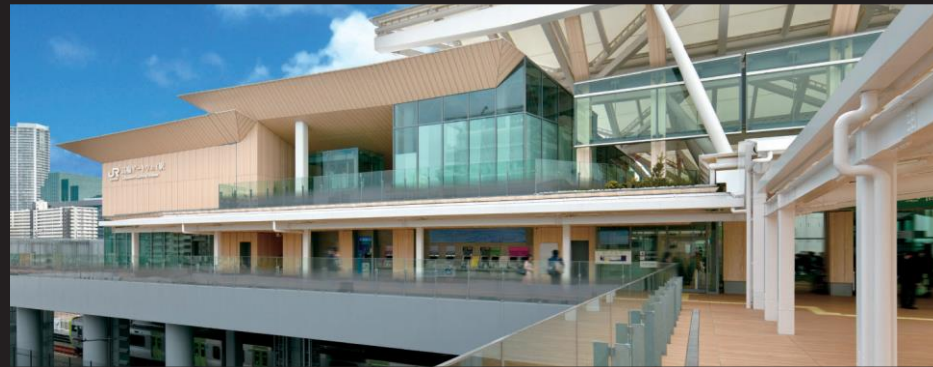


ASN112
Lime Stone



ASN113
Abstract(Vivid Blue)

Projects



Takanawa Gateway Station / Japan



Bugis+ Mall / Singapore



Maxdo Centre / China



Village Hotel Sentosa / Singapore



Under Armour / USA

Basic Information

- **Standard Size : Thickness = 2.0mm/3.0mm Width = 1,220 mm Length = 3,050 mm**

Manufacturing Capabilities

Print Width: 650mm~1,220mm

Print Length: 1,500mm~4,500mm

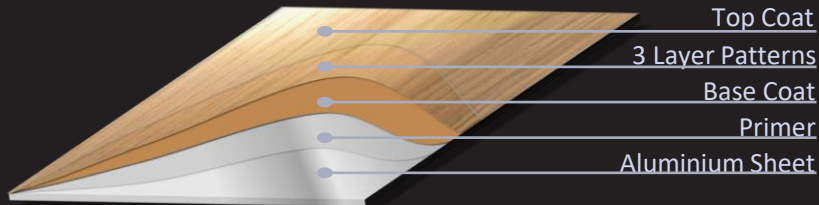
Thickness: 0.6mm~3.0mm

※More than 2 tons of raw material will be required for size customization.

- **Coating**

DNP Aluminium Decor Panel is coated with High Class Exterior spec coating. Coated by Offset Gravure Direct Printing Technology. Aluminium Alloy : A3004P-H32

- **Composition**



- **Lead Time : 2-4 months after receiving the PO.**

*Fluctuate due to the quantity, destination and the situation of raw material Supplier.

*For Non-standard size, +2 months of raw material lead time will be required.

- **Non-Combustibility**

BS 476 : Part4 (3mm / Certificated in Singapore)

ASTM E84 (Certificated in USA)

NM-2698 (All Thickness / Certificated in Japan)

- **Weatherability**

AAMA 2605 (Certificated in USA).

Sunshine Weather-O-Meter (SWOM) 10,000 hours (Δ = 2-3/Equivalent to 20 years. Tested in Japan).

Oldest Exterior project was installed in 1999, Maxdo Centre (万都中心大厦) - Shanghai, China.

- **Design Development**

Please provide us with a physical target (e.g., The actual material or color target to be matched).

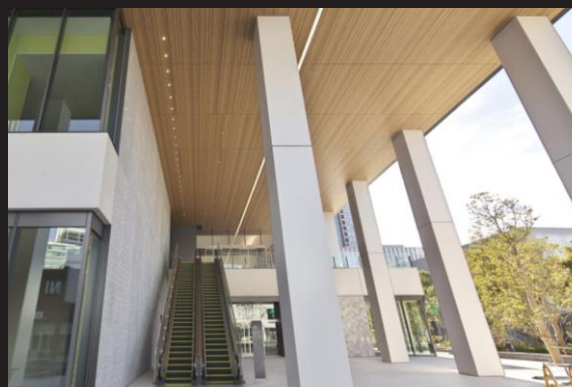
2-3 weeks will be required to create samples.

Design fee and samples will be free of charge if the requirement meets MOQ. (Please let us have consultations about smaller quantities.)

1-2 weeks will be required to print the design on paper. (Maximum Size : 1m x 1m)



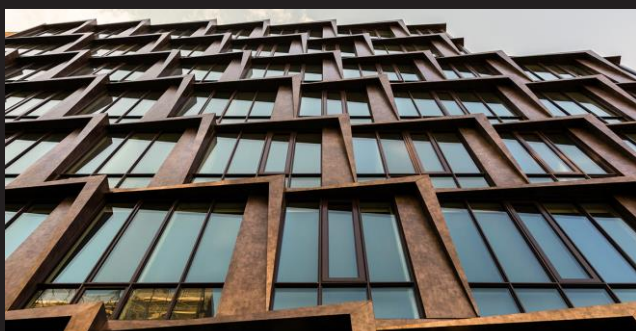
Facebook Spring District / USA



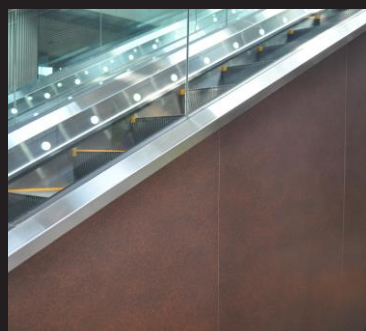
Yokohama Connect Square / Japan



Mt. SI High School / USA



108 Chambers / USA



My Village / Singapore



Office Building / Japan

■Technical Information

Test Item	Test Method		Result
Hardness	Pencil Hardness (Mitsubishi Uni)		Over HB
Adhesion	1 square mm cross-hatch in coating layer and attach tape & pull		100/100
Acid Resistance	1% H2SO4 24 hrs(20°C, backside & edge sealed)		No Blister / No Remarkable Change
Alkali Resistance	1% NaOH 24 hrs(20°C, backside & edge sealed)		No Blister / No Remarkable Change
Boiled Water	Leave a sample in boiled water for one hour	Appearance	No Blister / No Remarkable Change
		Adhesion	100/100
Weatherability	Sunshine Weather-O-meter (SWOM) 10,000 hours	Colour	No Remarkable colour change
		Gloss Retention	More than 60%
		Adhesion	100/100
Impact Resistance	Du Pont impact tester Radius 6.35mm 500g 50cm		No Effect
Salt Water Spray	JIS Z 2371 Visually inspect test sample after applying 5% NaCl, 35± 2°C salt water with spray for 1,000 hours (Edges and back are sealed)		No Effect

- *For interior application, please feel free to contact us separately.
- *The above data are internal test results. Above data will only be applied to printing and coating layer. Results are not guaranteed.
- *Ambient temperature is 25°C unless specified separately.
- *Formability and impact resistance can change depending on: thickness of substrate, type of alloy and ambient temperature.

■Maintenance

DNP Aluminium Decor Panel is coated with an exterior specification coating. However, allowing water to remain on the surface during installation or cleaning can cause corrosion and deterioration of the coating. In addition to regular cleaning (at least twice a year), we recommend cleaning when stains are particularly noticeable.

■Cleaning Method

- I. Remove dust and dirt from the surface by wiping it using a wet, soft cloth, or a paper towel. If the product is heavily stained, carefully wash it with a neutral detergent. Test the detergent on a small surface beforehand to ensure that it does not damage the coating.
- II. Rinse off the neutral detergent thoroughly with water.
- III. Wipe off water with soft & dry cloth.

■Cautions for cleaning

- I. Make sure to use a soft cloth or paper towel. Please avoid rubbing the surface vigorously during the process to prevent scratching the coating.
- II. Please use a neutral detergent for cleaning, as alkaline or acidic detergents can cause coating deterioration. Prior to use, carefully check the contents of the detergent.
- III. Never use cleaning detergents containing abrasives, waxes, or volatile solvents such as alcohol and thinner, as they can cause coating deterioration or surface scratches.

■Repair

- I. Evenly polish the area around the scratch using #400-600 sandpaper.
- II. Wipe the polished area with a cloth with Ethanol to make it clean.
- III. We recommend DNT (DAI NIPPON TORYO CO.,LTD.) 「V-Flon # 200 (2-Component Fluorocarbon Paint)」 Mix 80% of the main agent with 20% of the curing agent. Please dilute it with V-Flon Thinner, and then paint over with a brush. Please contact us to purchase the coating.

■Warranty

We offer a 10-years warranty for color retention in exterior applications. Please contact us for further information.

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