

KURATTICE ECO

Recycled Wood Powder Resin
Aluminum Composite

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Recycled Wood Powder Resin / Aluminum Hybrid Technology

[KURATTICE ECO Website ▶](#)



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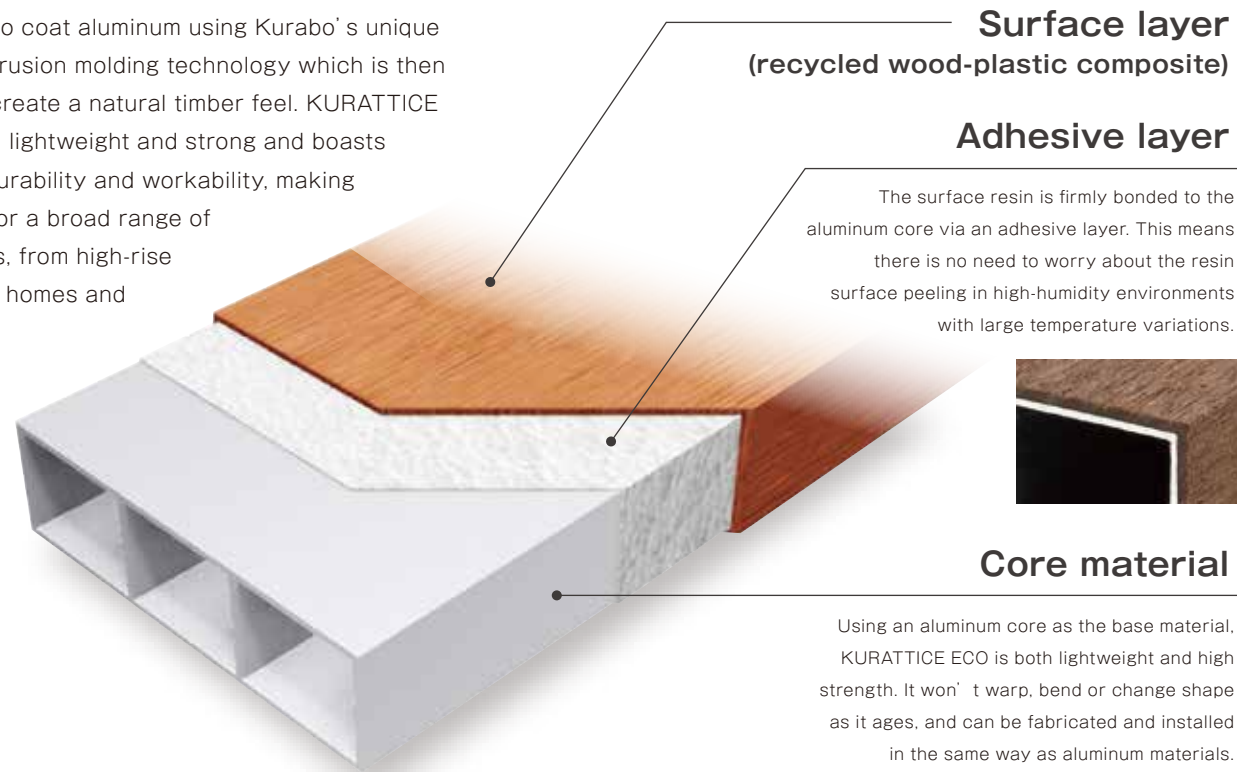
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Recycled Wood Powder Resin / Aluminum Composite - KURATTICE ECO



KURATTICE ECO uses a recycled wood-plastic composite to coat aluminum using Kurabo's unique integral extrusion molding technology which is then sanded to create a natural timber feel. KURATTICE ECO is both lightweight and strong and boasts long-term durability and workability, making it suitable for a broad range of applications, from high-rise buildings to homes and exteriors.



Features of KURATTICE ECO

KURATTICE ECO boasts the natural feel of timber together with the high-strength of aluminum. This durability makes it suitable for a variety of applications, from homes and exteriors to high-rise buildings.

High-strength +

Weather resistance test (sunshine weather meter)			
Control	1,000 hours	3,000 hours	5,000 hours

※5,000 hours is equivalent to 10 years of outdoor exposure (May vary depending on actual environment.)

The resin surface is firmly bonded with the aluminum core. This means there is no need to worry about the resin surface peeling, cracking, warping or bending in high-humidity environments or environments with large temperature variations. KURATTICE ECO is resilient against changes in climate and is not as prone to color discoloration as real wood, requiring little maintenance.

Durability / weather resistance +

Natural timber feel
Wood texture

The integrated design, consisting of an aluminum core and resin coating is lightweight. It is easy to handle and can be designed and fabricated for improved workability.

Light weight / workability +

KURATTICE ECO can be bent in the same way as other aluminum materials without losing the natural timber design features of the surface layer. This makes it suitable for a range of designs, further expanding possible applications.

Fabrication / design compatibility +

DEVELOPMENT DESIGN

KURATTICE ECO can be developed and designed to suit customer requirements and product themes. Kurabo can offer proposals that meet a wide range of needs, from residential homes to high-rise properties and exteriors.



KURATTICE ECO applications

Can be used for a variety of cross sectional shapes

With its excellent durability, weather resistance and strength, KURATTICE ECO can be used safely in high-rise properties. KURATTICE ECO can also help to ease the effort required for installation and reduce construction time with proposals based around large, dynamic cross sections and cross-sectional design to improve workability.

Bending for improved design and fabrication

Using a cross-sectional design approach and variety of fabrication and design methods, such as bending, Kurabo can also propose designs that can only be achieved with KURATTICE ECO. In addition, Kurabo provides total support, from variety of fabrication methods to assembly.

Composites and effective use of recycled materials

Various additional functions can be added to KURATTICE ECO using composite technologies and the selection of resins. Recycled materials can also be used to provide new value that cannot be found in conventional building materials. For example, used tea leaves can be used to provide antibacterial properties, and waste from sewing factories can be used as building materials for apparel stores.

A new world with KURATTICE ECO

The natural texture of the wood grain blends seamlessly with a variety of landscapes, including commercial facilities, public facilities and homes. Kurabo accommodates a variety of requirements, from design applications to the provision of comfortable spaces for people to come together.

Commercial facilities

Total coordination of commercial facilities

Like timber, KURATTICE ECO can be used in a variety of applications such as louvers and benches, and because it can be fabricated to meet individual requirements, it can create spaces with appealing designs.



Public facilities

Preserve the scenery of public facilities

With a texture that looks exactly like natural timber, KURATTICE ECO helps to create a rich, natural look. With excellent durability and weather resistance, there is no need to worry about deterioration, even under severe weather conditions.



Residential homes and Housing complexes

Appealing designs to showcase your home

Enhance the design of residential homes and housing complexes by incorporating KURATTICE ECO as an exterior feature. Because it is light, it is also easy to handle, reducing the workload on construction sites.



Fences / decorative feature posts

Create subtle landscape designs that blend with the natural environment

Kurabo offers ideas to create spaces that blend with the natural environment in a variety of landscape applications, including commercial facilities, public facilities and houses. The real timber feel and texture is a perfect match for gardens, fences come in a range of original designs with assembly screws hidden from view and decorative feature posts come complete with endcaps for a natural, finished look.



Benches / circle benches

Beautiful and everlasting benches

Using a bending process unique to KURATTICE ECO, we can propose a range of innovative design ideas. KURATTICE ECO is ideal for use in parks, commercial facilities, university grounds, and other spaces where nature and people come together to create a sense of community. Separate designs can also be provided for individual properties.



Louvers

Superior durability and design

Due to its light weight, high strength, and excellent durability and weather resistance, KURATTICE ECO is being used on the facades of various buildings. KURATTICE ECO can be used for large cross sections, and with a little thought to the mounting screws and creativity with the joints, can reduce the workload required for installation. Further, KURATTICE ECO can be bent to match the curved profile of building projects.



Gateposts / bulletin boards

Functional gateposts that blend seamlessly with building entrances

KURATTICE ECO is comprised of an aluminum core, making it easy to cut, drill holes and assemble and using a combination of cross sections, can be used to design original and functional gateposts. It can also be used for building nameplates and signboards in housing complexes to match fences and louvers for a totally integrated design.



Variety of applications

KURATTICE ECO is also compatible with NC (numerical control) machining and the assembly of peripheral components, making it possible to manufacture products according to individual applications. Contact us for more information.

※Scan for inquiry form ▶



KURATTICE ECO

Construction examples



Kindai University Academic Theatre 1 / louvers (photo provided by Kindai University)



House / gatepos



Commercial facility / louvers



Commercial facility / bench (example)



Parking area / fence



Menarco Tower (Philippines) / louvers



Commercial facility / deck



Commercial facility / decorative bench (example)



Private factory / curved fence



Commercial facility / curved bench






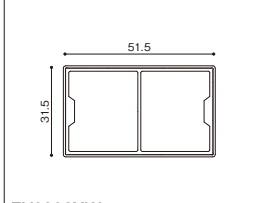
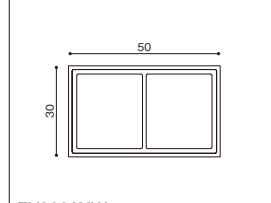
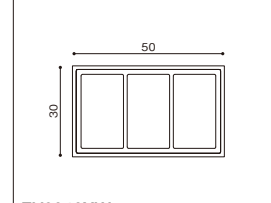
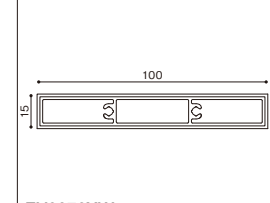
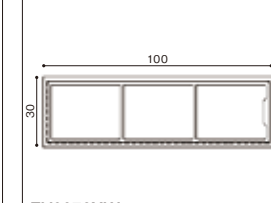





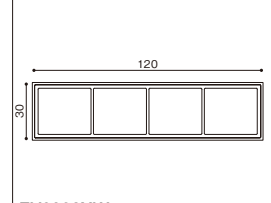
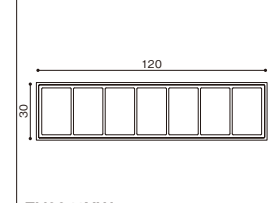
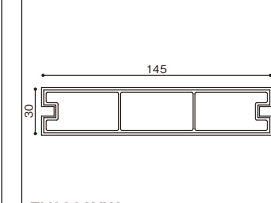
Bicycle parking lot / fence








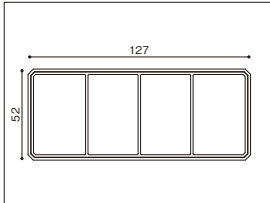
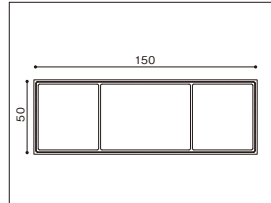
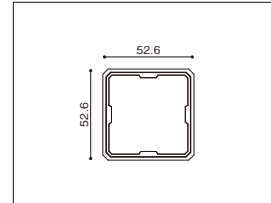
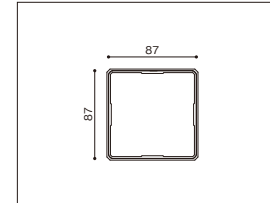
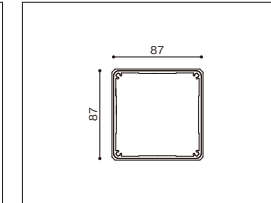
Private factory / louvers




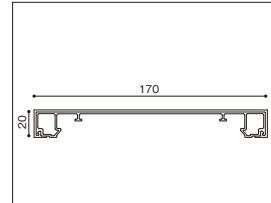
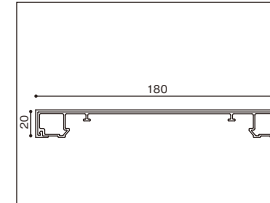
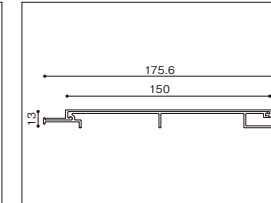
※Colors may vary slightly from printed material.
Please refer to color samples for accurate colors.

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#6	#7	#8																								
30 × 120 (mm)	30 × 120 (mm)	30 × 145 (mm)																								
																										
																										
EV6039XW	EV6041XW	EV6060XW																								
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Brown	Sandy Brown (custom order)
	
Light Brown	White (custom order)
	

#9	#10	#11	#12	#13																																								
52 × 127 (mm)	50 × 150 (mm)	52.6 × 52.6 (mm)	87 × 87 (mm)	87 × 87 (mm)																																								
																																												
																																												
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Dark Brown


 Endcap available
  Suitable for belt bending (Min. bend radius: 500R)
  Suitable for flange bending (Min. bend radius: 1,000R)
  Scan for inquiry form

※Depending on the design conditions, it may be possible to bend some cross sections without the belt or flange mark. Please inquire for more information. ※Availability will vary depending on the product. Please inquire for more information.

Endcap ▶ An endcap can be glued and fixed to cut sections to improve the aesthetic appeal of the product. The endcap is made of the same material as the surface resin.
 

Finishing ◀ After the endcap is glued and fixed, additional sanding is used to achieve a finer quality finish with a more integral feel.
 