



※Please read the following.

⚠ Precautions	
In Use	<ul style="list-style-type: none">• Moisture, grease, and sand can result in a slippery surface. Remove as much as possible.• Excessive shock or concentrated load can lead to partial breakage.• Broken areas may have sharp edges that are dangerous. Exercise caution and replace immediately.• Exercise caution against flammable substances or fire.• Place scratch protection pads on the tables and chairs.• When coating the surface with oil stain and paint, please contact our technical team.• An inundation or inflow of earth or sand can deform the product. Drain and clean immediately.• Arbitrary changes such as the addition of nails and screws and cutting can lower the performance of the product.
During Installation	<ul style="list-style-type: none">• Exercise caution to prevent damage to products when moving, loading, or unloading materials.• Read the specifications distributed before installation. (We do not take responsibility for defects among products installed without following the installation methods specified in the specifications.)• Check the quantity and symbol of parts and install as instructed.• Install the product under the conditions specified in the specifications. Use subsidiary materials that match the product. We do not take responsibility for the use of subsidiary materials that do not match the product, and also do not provide repair services in the event of such use.• Metal parts have many sharp edges. Exercise caution in handling.• Do not move the product by the banding strip. (The strip can be broken and you can suffer injury due to falling materials.)
During Storage	<ul style="list-style-type: none">• Keep materials on a flat, well-ventilated surface where humidity is relatively low.• Store materials horizontally. Do not rest materials on the wall for a long period of time.• If necessary, place lumber under the materials to prevent warping.• Keep materials outdoors, in principle. When storing materials outdoors, place protective covering on them to protect from rain or other alien substances and avoid direct sunlight.• Even when keeping remaining materials temporarily, band materials and place protective covering as above and avoid direct sunlight.

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※ Issue Date : May 2012



LG Hausys WFPC

*This environment friendly wood
has advantages over real wood*

Nature, Human and Space

Turning Nature into Living Space

We work hard to enrich the lives of our customers and ensure their health by pursuing spaces that are in complete harmony with nature, while supplying eco-friendly materials and improving energy efficiency at the same time.

Embracing people

We are increasing the value of people's lives and setting trends in living spaces through designs that are not only beautiful and human-friendly, but also emotionally appealing.

Inspired Living Space

We put the highest priority on customers, creating living spaces where people experience perpetual happiness.

LG Hausys
WFPC



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LG Hausys WFPC

This environment friendly wood(material) has advantages over real wood



Eco Friendly

LG Hausys WFPC is an environment - friendly product.

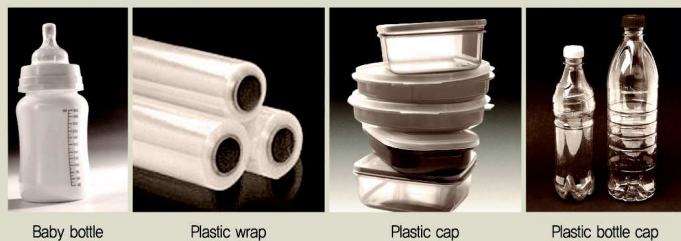
LG Hausys WFPC is composed of natural and nontoxic material.

LG Hausys WFPC(WFC) contains 70% or more wood fiber which is the natural material. LG Hausys WFPC(WPC) contains 50% or more wood powder.



LG Hausys WFPC(WFC) uses nontoxic materials, like the olefin resin(PE and PP), that it is harmless to human body.

Cases where environment-friendly olefin resin(PE, PP) is used : It is used as the raw materials for the products which directly come in contact with food or skin baby bottle, wrap, and the cap for plastic bottles for beverages.

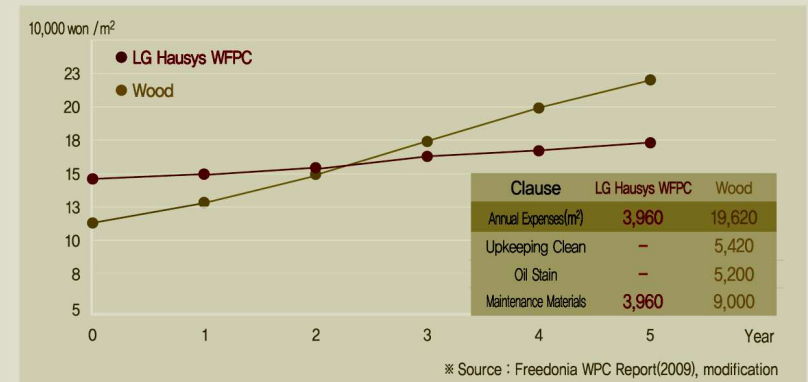


Comparison of environment - friendliness of materials

Index for Environment Friendliness	LG Hausys WFPC	Protection Wood
Detection of Hazardous Substances	Not detected	CCA : Cu, Cr, As detected ACQ : Cu detected
Recycled	 Possess GR(Good Recycled)	Not Recycled (Incinerated)
Material sourcing	Utilization thinning - out tree (Conservation Forest)	Lumbering of Natural Wood (Damages Forest)

※ Thinning : Relieves the mutual competition between trees to maintain ecologically healthy forest.

Life Time Cost comparison

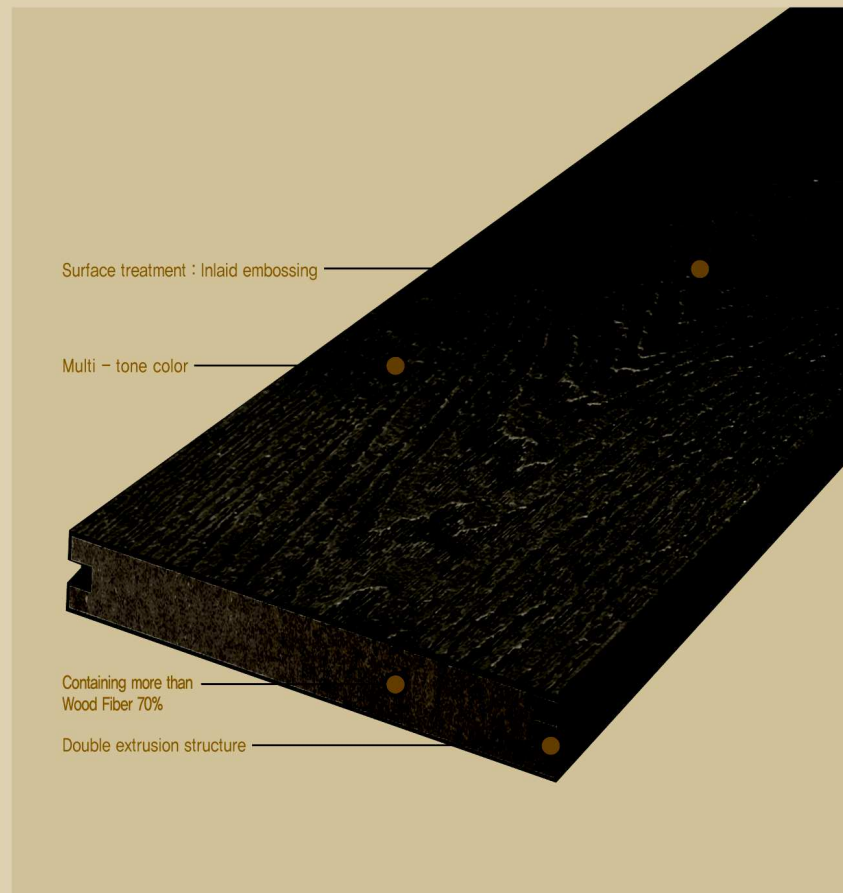


※ Source : Freedonia WPC Report(2009), modification

New Product

LG Hausys WFPC(WFC) develops new products that satisfy customer needs.

High - intensity LG Hausys WFPC(WFC)

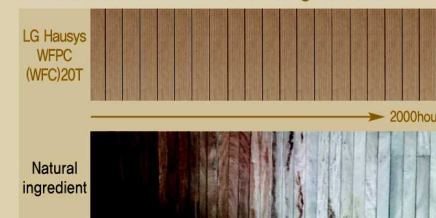


■ LG Hausys WFPC(WFC) is first in the world to apply differentiated design.

LG Hausys WFPC(WFC) pioneered the application of multi - tone color and inlaid embossing at the same time



■ LG Hausys WFPC(WFC) has 10 times better discoloration resistance than regular wood.



■ LG Hausys WFPC(WFC) minimizes static electricity.

LG Hausys WFPC(WFC) is treated to have static resistance in order to avoid problems with static electricity



※ Voltage : Less than 2kV

■ LG Hausys WFPC(WFC) 20T product presents better quality than the competitor's WPC 25T product.

LG Hausys WFPC(WFC) 20T product has twice higher impact strength than the WPC 25T product of competitors.



※ Korea Conformity Laboratories Measurement ※ KS F 3230 Standard

■ LG Hausys WFPC(WFC) cuts down the construction cost by approximately 20%.

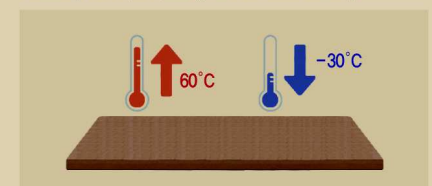
The maximum flexural load satisfies the KS (Korean Industrial Standard) 3,400N, even after expanding the joist space (500mm → 600mm for 25T).



※ Korea Conformity Laboratories Measurement

■ Dimensional stability

LG Hausys WFPC(WFC) has great dimensional stability.



※ KS F 3230 Standard : 6.0×10^{-5} (1/°C)
 ※ Coefficient of expansion : 1.8×10^{-3} (1/°C)
 ※ Korea Conformity Laboratories Measurement

New Product

Develops new products that correspond with customer needs.

Safety Photo luminescent Stairs material

[蓄光, Photo luminescent]

Absorbs from all types of light sources (light state) including the general light energy, solar ray, and fluorescent light and converts the light energy into a visual ray to emit light.

Features

- Light storing function for pedestrian safety in the evening.
(Stores light during the day and emits light for 6 hours and longer in the evening.)
- Non - Slip Pad function for preventing slipping
- Hidden Screw System : Screw joint is not exposed
- Fast Installation : Enhances installation speed with wide material (300mm)



※ Appearance composed of LG Hausys WFPC only (No. 10 - 1031094)

New Fence



Standard Line

- Composed of only LG Hausys WFPC
- Full application of LG Hausys WFPC fits the natural space



Hybrid Line

- Combined use of LG Hausys WFPC + Other materials
- Secures design diversity by combining LG Hausys WFPC with other materials (AI - Casting, STL laser cutting, wire rope, etc.)



Urban Line

- Simple & modern design
- Secures installation convenience by minimizing field assembly process and subsidiary materials

LG Hausys WFPC(WFC) Siding



- Enables direct coupling
- Enhances properties by using co - extrusion and WFC material (size stability, bending strength, and impact strength)
- Supports a variety of colors

LG Hausys WFPC(WFC) Board



- Enhances properties by using co - extrusion and WFC material (Size stability, Bending strength)
- Used as the finishing material for facilities and decks

LG Hausys WFPC can create a variety of spaces.

Landscape Space

Architectural Space



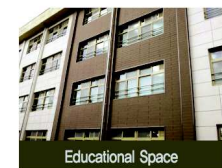
Urban Park



Commercial Space



Natural Park



Educational Space



Rooftop Garden



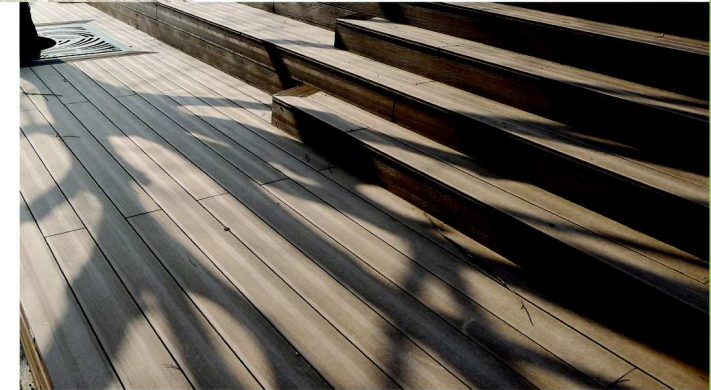
Residential Space



Landscape Facilities

Landscape Space

Urban Park



Landscape Space

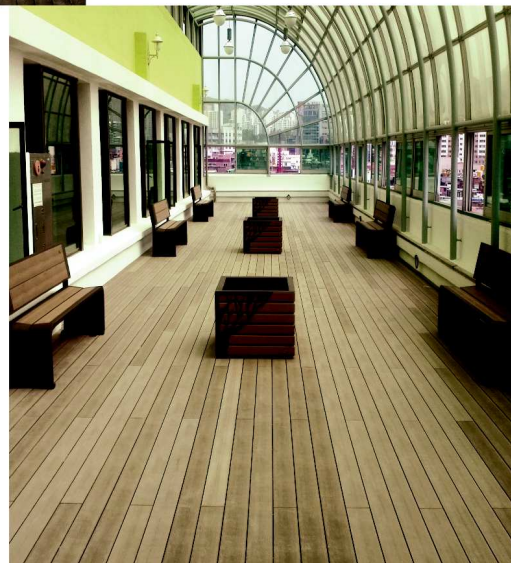
Urban Park





Landscape Space

Rooftop Garden



Landscape Space

Landscape Facilities



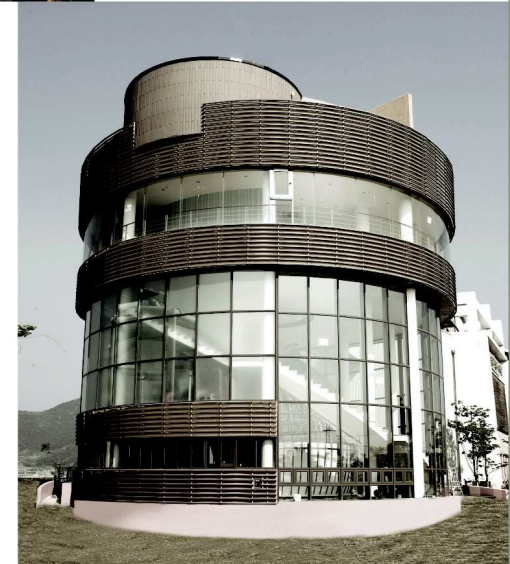
Architectural Space

Commercial Space



Architectural Space

Commercial Space



Architectural Space

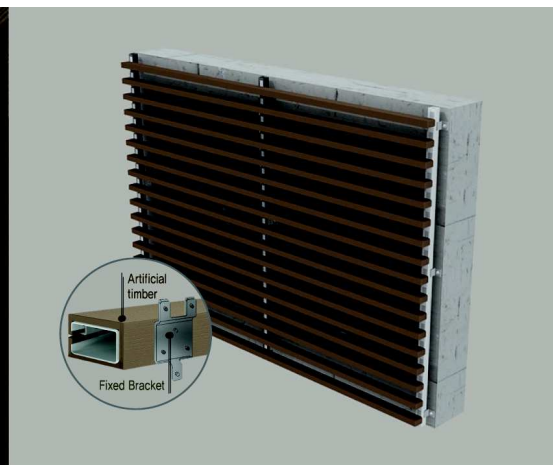
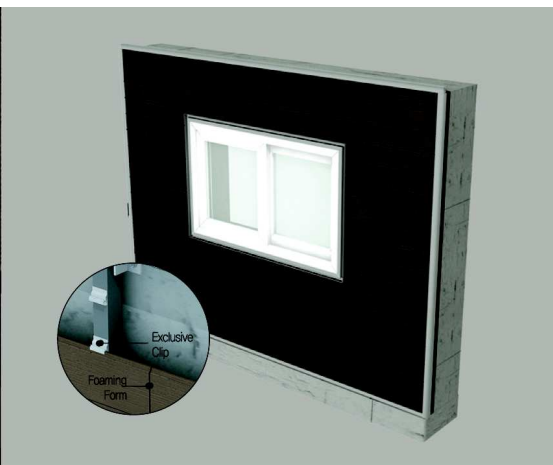
Educational Space



Architectural Space

Residential Space





Siding

※ Basic Color Applications : Cherry

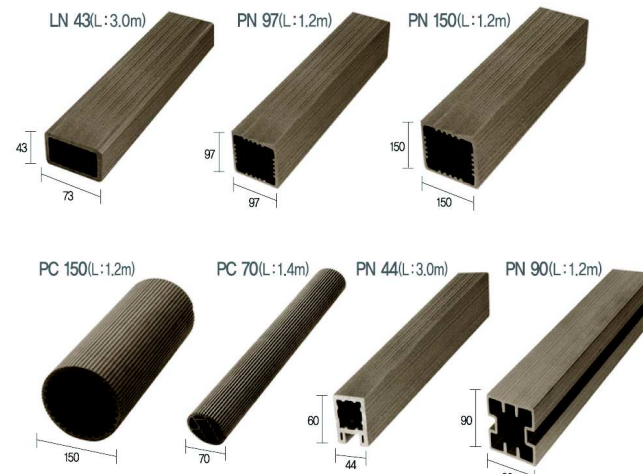
Siding Subsidiary Materials



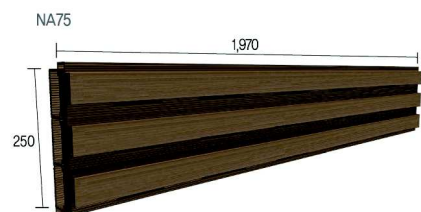
Louver & Lumber

※ Basic Color Applications : Cherry

Louver subsidiary Materials



Soundproof Walls



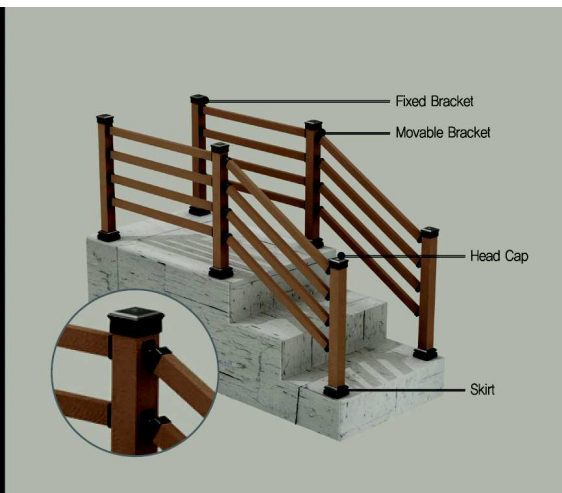
Solar Lighting



Creation of a space through the use of lighting
Combines a variety of lighting to enable pedestrian safety even at night and produces a splendid-looking space.

※ Products shown here may differ from actual products.

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Standard Line Fence

※ Standard : 1,200(H) X 1,500(W)

Standard Line Fence

※ Standard : 1,200(H) X 1,500(W)

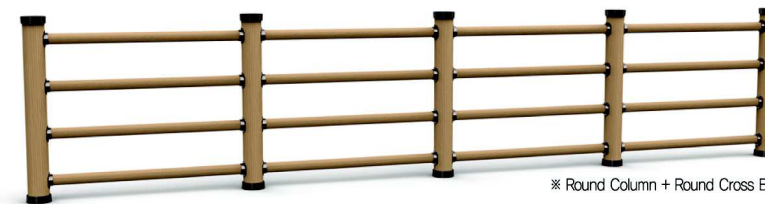


FCS004 (Main materials : PN97, LN43)



FCS005 (Main materials : PN97, PC70)

※ Square Column + Round Cross Bar



FCS006 (Main materials : PC150, PC70)

※ Round Column + Round Cross Bar



FCS007 (Main materials : PC150, PC70)

※ Round Column + Round Vertical Bar



FCS001 (Main materials : PN97, LN43)



FCS002 (Main materials : PN97, LN43)



FCS003 (Main materials : PN97, LN43)

※ Products shown here may differ from actual products.

※ Products shown here may differ from actual products. 28

Standard Line Fence

※ Standard : 1,200(H) X 1,500(W)



FCS008 (Main materials : PN97, LN43)



FCS009 (Main materials : PN97, LN43)



FCS010 (Main materials : PN97, LN43)



FCS011 (Main materials : PN97, LN43)

Standard Line Fence

※ Standard : 1,200(H) X 1,500(W)



FCS012 (Main materials : PN97, LN43)



FCS013 (Main materials : PN97, LN43)



FCS014 (Main materials : PN97, LN43)



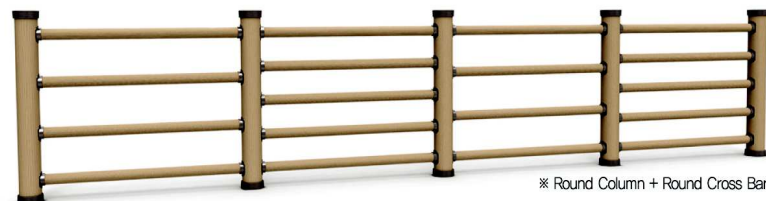
FCS015 (Main materials : PN97, LN43)

Standard Line Fence

※ Standard : 1,200(H) X 1,500(W)



FCS016 (Main materials : PN97, LN43)



FCS017 (Main materials : PC150, PC70)



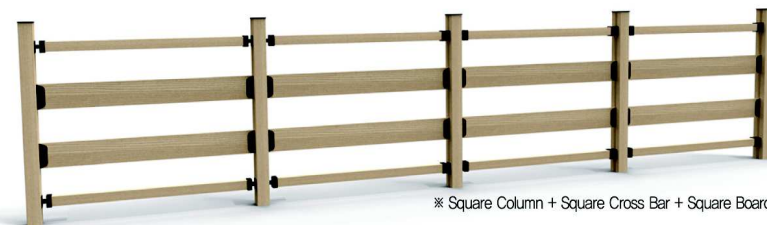
FCS018 (Main materials : PC150, PC70)



FCS019 (Main materials : PC150, PC70)

Standard Line Fence

※ Standard : 1,200(H) X 1,500(W)



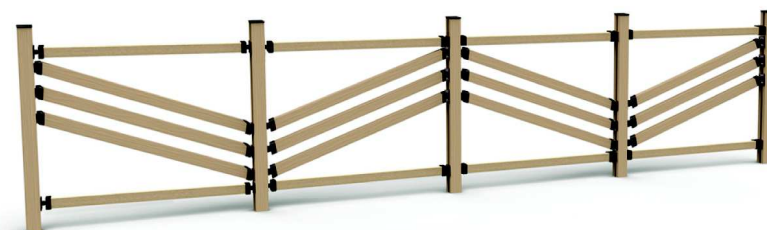
FCS020 (Main materials : PN90, PN44, BF16)



FCS021 (Main materials : PN90, PN44, BF16)



FCS022 (Main materials : PN90, PN44)



FCS023 (Main materials : PN90, PN44)

※ Products shown here may differ from actual products.

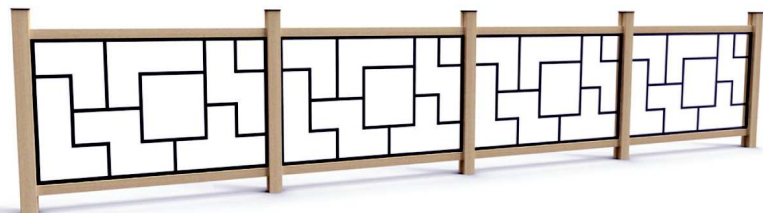
※ Products shown here may differ from actual products.

Hybrid Line Fence

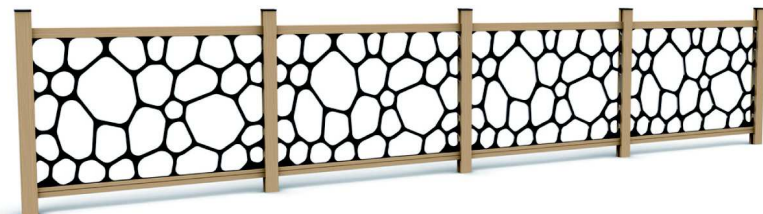
※ Standard : 1,200(H) X 1,500(W)



FCH001 (Main materials : PN90, PN44, AL - Casting)



FCH002 (Main materials : PN90, PN44, AL - Casting)



FCH003 (Main materials : PN90, PN44, AL - Casting)



FCH005 (Main materials : PN97, Wire rope : Nightglow)



FCH004 (Main materials : PN97, Wire rope)



Wire Rope Section : Enhanced flexibility and mobility while maintaining the strength of existing steel wire. (φ20)

Urban Line Fence

※ Standard : 1,200(H) X 1,500(W)



FCU001 (Main materials : AL - Casting, HandRail : WFC)

FCU011 (Main materials, HandRail : AL - Casting)



FCU002 (Main materials : Steel, HandRail : WFC)

FCU012 (Main materials, HandRail AL - Casting)



FCU003 (Main materials : AL - Casting, HandRail : WFC)

FCU013 (Main materials, HandRail : AL - Casting)



FCU004 (Main materials : Steel, HandRail : WFC)

FCU014 (Main materials, HandRail : AL - Casting)

※ Products shown here may differ from actual products.

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Urban Line Fence

※ Standard : 1,200(H) X 1,500(W)



FCU005 (Main materials : Steel, HandRail : WFC)
FCU015 (Main materials, HandRail : AL - Casting)



FCU006 (Main materials : Steel, HandRail : WFC)
FCU016 (Main materials, HandRail : AL - Casting)



FCU007 (Main materials : Steel, HandRail : WFC)
FCU017 (Main materials, HandRail : AL - Casting)



FCU008 (Main materials : Steel, HandRail : WFC)
FCU018 (Main materials, HandRail : AL - Casting)

Urban Line Fence

※ Standard : 1,200(H) X 1,500(W)



FCU009 (Main materials : Steel, HandRail : WFC)
FCU019 (Main materials, HandRail : AL - Casting)



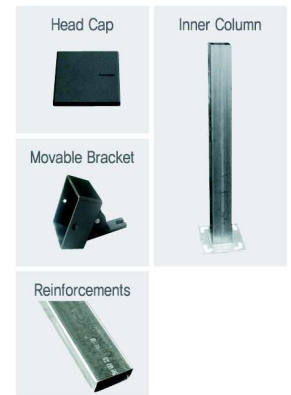
FCU010 (Main materials : Steel, HandRail : WFC)
FCU020 (Main materials, HandRail : AL - Casting)

Fence Subsidiary Materials

Standard Line



Hybrid Line



LG Hausys WFPC Design Package



PG 102 2,000(L) X 3,000(W) X 3,000(H)
PG 104 3,000(L) X 3,000(W) X 2,800(H)
Material STL / WPC / PC

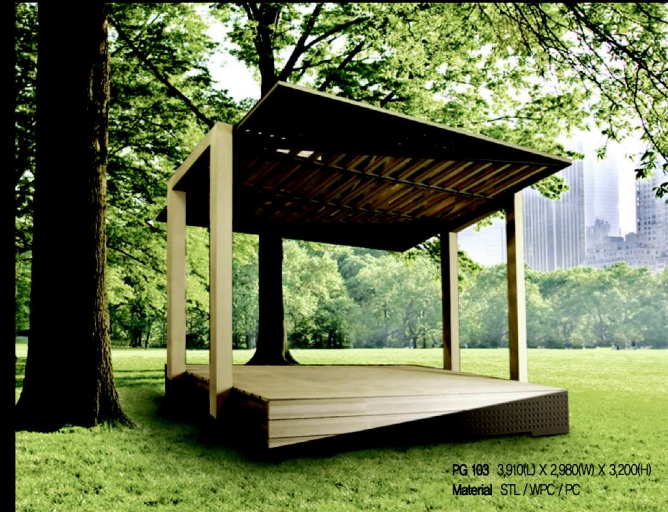


BH 102 2,000(L) X 470(W) X 450(H)
Material STL / WPC

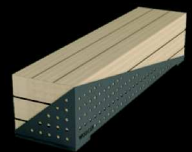


PL 101 800(L) X 800(W) X 540(H)
PL 104 800(L) X 800(W) X 365(H)
Material STL / WPC

A - Type A resting space with the shade of trees and leaves



PG 103 3,910(L) X 2,980(W) X 3,200(H)
Material STL / WPC / PC



BH 103 2,000(L) X 470(W) X 450(H)
Material STL / WPC

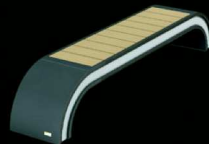


PL 102 700(L) X 700(W) X 540(H)
Material STL / WPC

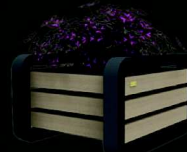
C - Type A clean concise resting space faithful to the basics



PG 202 4,800(L) X 3,000(W) X 3,000(H)
Material STL / WPC / PC



BH 105 2,500(L) X 450(W) X 450(H)
Material AL - CASTING / STL / WPC



PL 103 940(L) X 800(W) X 550(H)
Material STL / WPC

B - Type A resting space like a piece of artwork made of a single line



PG 110 3,910(L) X 2,980(W) X 3,200(H)
Material STL / WPC / PC

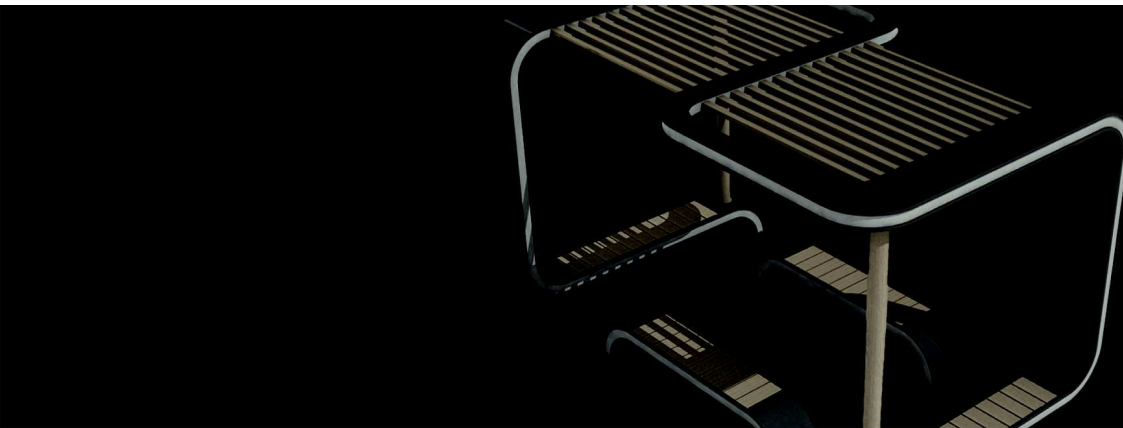


PL 106 800(L) X 800(W) X 600(H)
Material STL / WPC



BH 111 1,500(L) X 450(W) X 450(H)
Material STL / WPC

D - Type A resting space with future - oriented design



Pergola



The polycarbonate roof with the shades of trees and leaves is introduced to maximize psychological stability.

PG 102 4,000(L) X 4,000(W) X 3,000(H)

PG 104 3,000(L) X 3,000(W) X 2,800(H)

Material STL / WPC / PC



The asymmetrical design elements of the roof are brought to relief and an emphasis is placed on natural beauty by applying laser - processed steel to the column.

PG 101 4,000(L) X 4,000(W) X 4,000(H)

PG 105 3,000(L) X 3,000(W) X 2,800(H)

Material STL / WPC / PC

Pergola



A traditional octagonal shape is applied based on modern design and efficient functionality.

PG 106 4,200(L) X 4,200(W) X 3,000(H)

Material STL / WPC / PC



The design is based on the brevity and elegance of minimalism through the most basic shape, and the view of the sky through the roof stands out.

PG 107 3,000(L) X 3,000(W) X 2,800(H)

PG 108 4,000(L) X 3,000(W) X 2,800(H)

Material STL / WPC / PC

※ Products shown here may differ from actual products.

※ Products shown here may differ from actual products. 40

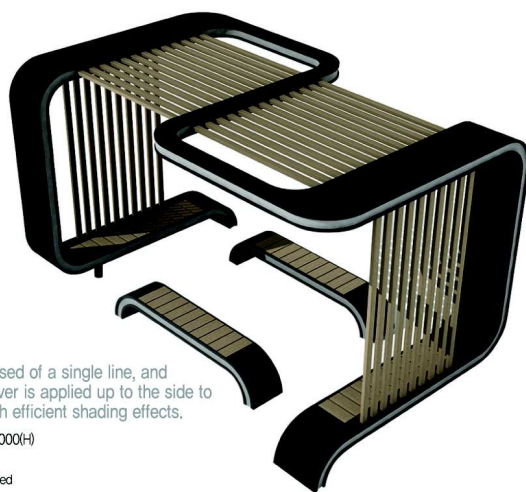


It reminds one of a sculpture, completed with restrained senses.

PG 202 4,800(L) X 3,000(W) X 3,000(H)

Material STL / WPC / PC

※ Additional benches are not included



The basic frame is composed of a single line, and the LG Hausys WPC Louver is applied up to the side to create a resting space with efficient shading effects.

PG 201 5,100(L) X 3,000(W) X 3,000(H)

Material STL / WPC / PC

※ Additional benches are not included



This model aimed for geometric diversity of the roof and convenience, emphasizing its characteristics as an architectural object.

PG 103 3,910(L) X 2,980(W) X 3,200(H)

Material STL / WPC / PC



The design lends a comfortable feeling through the maximum use of curves.

PG 110 3,910(L) X 2,980(W) X 3,200(H)

Material STL / WPC / PC



Satisfies aesthetic values and functionality through the transparent top plate.

PG 109 3,000(L) X 3,000(W) X 2,800(H)

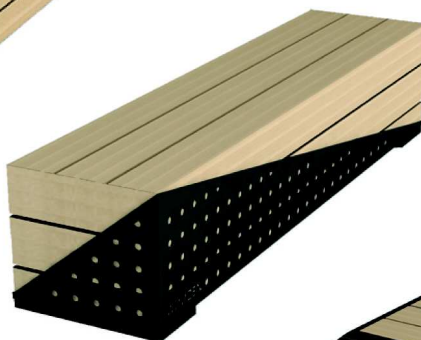
Material STL / WPC / PC

Bench



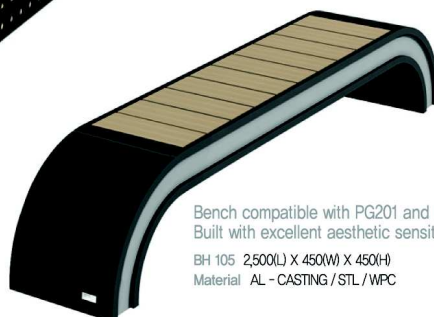
A typical example of the exquisite combination of LG Hausys WFPC composite wood and laser - processed metal

BH 102 2,000(L) X 470(W) X 450(H)
Material STL / WPC



Bench compatible with PG103, built by combining LG Hausys WFPC composite wood and punched metal

BH 103 2,000(L) X 470(W) X 450(H)
Material STL / WPC



Bench compatible with PG201 and PG202. Built with excellent aesthetic sensitivities

BH 105 2,500(L) X 450(W) X 450(H)
Material AL - CASTING / STL / WPC

Bench



Cast flat bench modularized with BH301. The ergonomic design offers comfort and fits any space.

BH 104 1,740(L) X 415(W) X 450(H)
Material AL - CASTING / STL / WPC



Flat bench designed along the same theme as BH302. The concise and solid design also provides a space on the side for carving the name of the local government.

BH 106 1,800(L) X 500(W) X 450(H)
Material STL / WPC



The most basic flat bench, satisfying all of visual, functional, and design aspects.

BH 107 1,500(L) X 450(W) X 450(H)
BH 108 1,800(L) X 450(W) X 450(H)
Material STL / WPC

Bench



Maintained the soft lines by emphasizing the aesthetic value of the profile and functional convenience

BH 301 1,740(L) X 590(W) X 830(H)
Material AL - CASTING / WPC



The most basic back bench, emphasizing practicality by maintaining the line structure

BH 302 1,800(L) X 600(W) X 800(H)
Material STL / WPC



A basic flat bench with "V" legs, adding to the eccentricity to the product

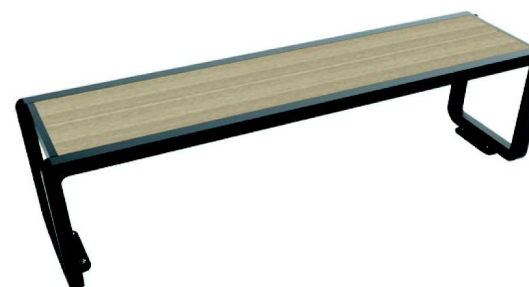
BH 109 1,512(L) X 472(W) X 420(H)
Material STL / WPC

Bench



A bench with a wooden texture on the seat and legs emphasizing straight lines, giving a sense of an organized space

BH 110 1,500(L) X 460(W) X 420(H)
Material STL / WPC



A flat bench in the simplest structure, emphasizing restrained design

BH 111 1,640(L) X 395(W) X 420(H)
Material STL / WPC



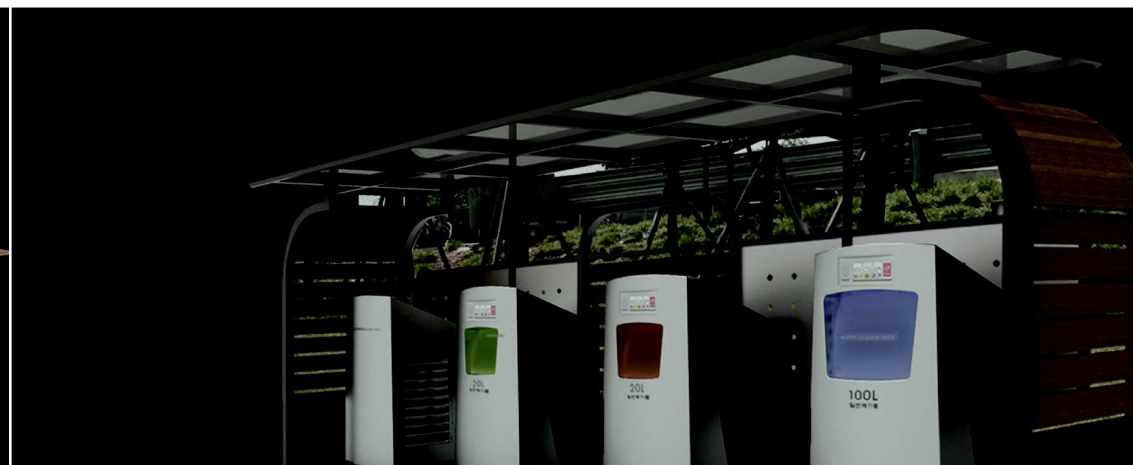
Curves and straight lines are combined with a balance to enhance artistic value.

BH 112 1,510(L) X 415(W) X 570(H)
Material STL / WPC



Table Bench

Low bench



Recycle Shelter

A table bench serving various functions, emphasizing the laser cut wood pattern

TB 001 1,560(L) X 1,290(W) X 780(H)
Material STL / WPC



Low bench for amusement parks for families to enjoy leisurely and comfortable picnics

LB 101 3,600(L) X 2,450(W) X 510(H)
Material STL / WPC

Basic table bench, great for any type of space

TB 002 1,560(L) X 1,290(W) X 780(H)
Material STL / WPC



Low bench for resting areas, easily installed near mountain trails or under trees in front of a village

LB 102 2,475(L) X 1,300(W) X 510(H)
Material STL / WPC



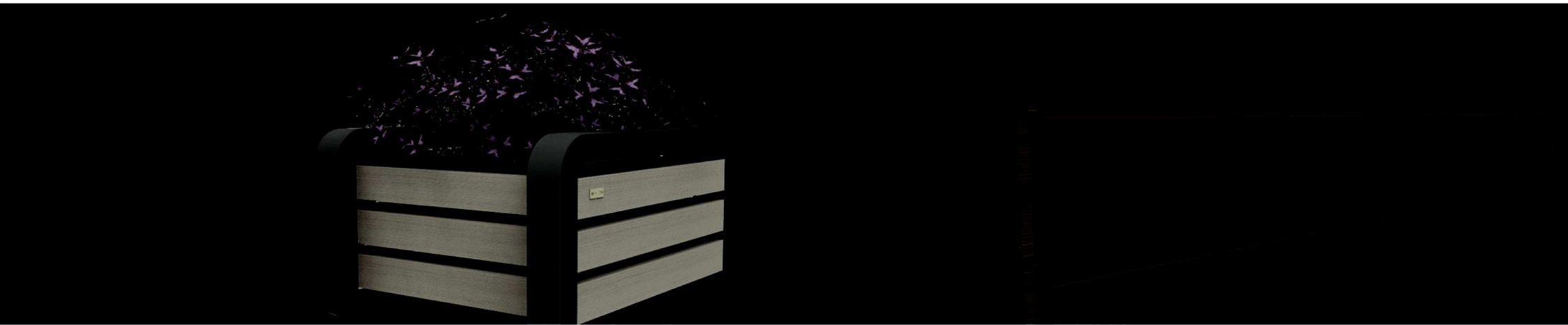
Largely improves the negative image of garbage collection areas, with curves of sculptural beauty and elegance

RS 101 5,000(L) X 2,200(W) X 2,800(H)
RS 102 7,000(L) X 2,200(W) X 2,800(H)
RS 103 8,000(L) X 2,200(W) X 2,800(H)
Material STL / WPC / PC



Garbage collection area in a simple design, which considered ventilation, occlusion, etc.

RS 104 7,000(L) X 2,400(W) X 2,500(H)
Material STL / WPC / PC



Planter



The balance between the octagonal top and irregular sides stands out.

PL 106 800(L) X 800(W) X 600(H)
Material STL / WPC



Diagonal patterns are added to the simple square shape.

PL 105 800(L) X 800(W) X 600(H)
Material STL / WPC



Planter compatible with BH103, high perfection and artistic sensitivities are expressed

PL 102 700(L) X 700(W) X 540(H)
Material STL / WPC



Planter compatible with BH102 in a concise and modern design

PL 101 800(L) X 800(W) X 540(H)
PL 104 800(L) X 800(W) X 365(H)
Material STL / WPC



Planter compatible with BH105 in a concise and modern design

PL 103 940(L) X 800(W) X 550(H)
Material STL / WPC

Soundproof walls



Standard Installation Method

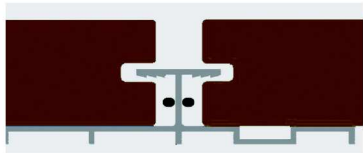
LG Hausys WFPC products shall be installed according to the standard installation method.

Precautions when installing t

Loose installation



Do not work perpendicularly to the drill

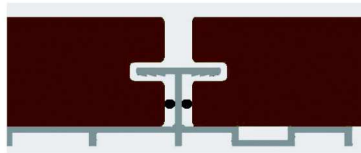


- Produces noise
- Lessens the sense of walking

Tight installation



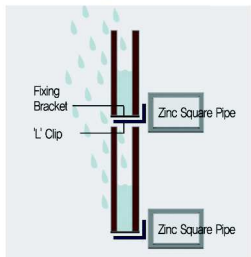
Keep drill angle to 85°



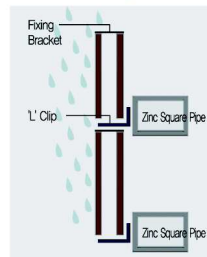
- Tighten the material with the foot
- Tilt 85° when using the drill and fix with a small screw

Precautions in vertical install

Attach foaming form on the bottom



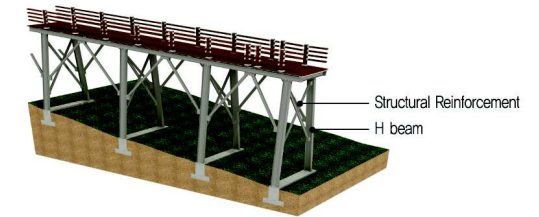
Attach foaming form on the top



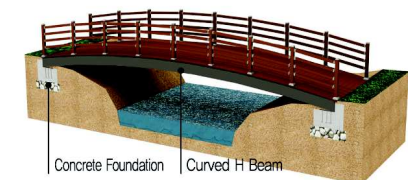
- Make sure the foaming form attached position faces upward.
If it is attached on the bottom, it can cause defects due to ponding.
- Install an "L" support clip to prevent the siding from hanging, and then install siding repeatedly.

LG Hausys WFPC helps you create a variety of sensuous and natural spaces through various installation formats in a number of places.

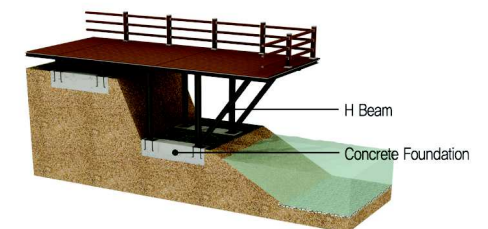
High Deck



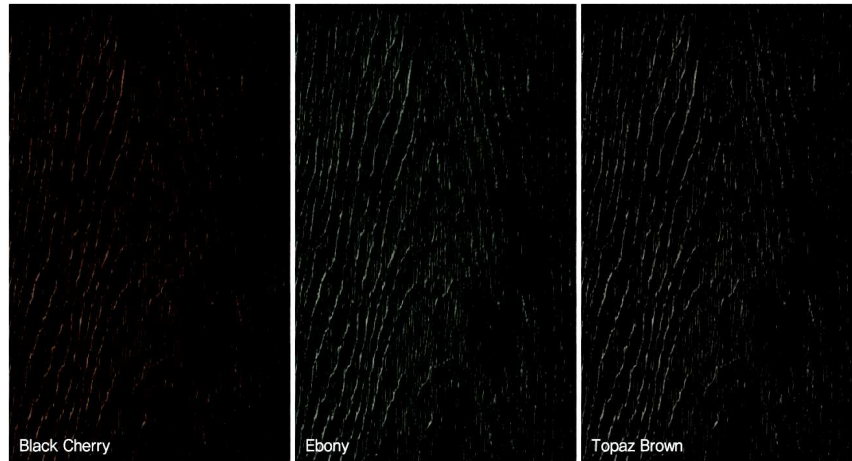
Wood Bridge



Waterfront Deck



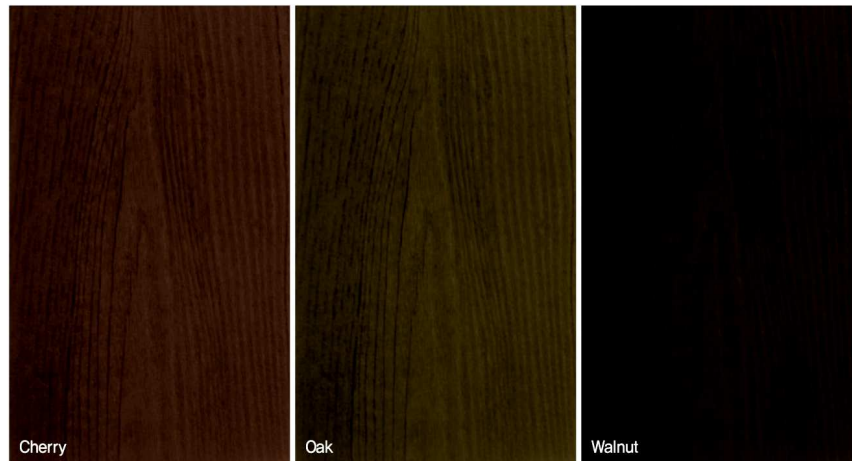
Exclusive use of LG Hausys WFPC(WFC)



※ Surface Quality : Inlaid Embossing(Intaglio)

※ Basic operational Color : Black Cherry

Exclusive use of LG Hausys WFPC(WPC)



※ Surface Quality : Rustic Embossing(Relief)

※ Basic operational Color : Cherry

※ The color in the picture may differ from the actual object.





Remodeling of Dok Island Infrastructure

Environmentally friendly wood polymer composite LG Hausys WFPC looks over Dok Island and the sea.

LG Hausys WFPC engaged in the Dok Island (Natural Monument No. 336) Landscape Improvement Project, establishing a sisterhood relationship with the Cultural Heritage Administration through the 'One Cultural Assets One Protector' agreement. The safety fence, stairs, and passage were rebuilt with LG Hausys WFPC, the wood polymer composite of LG Hausys, designed to withstand the harsh natural environment of the island, while discharging no harmful substances, perfect for protecting both man and nature.



Before Installation



Changes after Installation

Geochang Bicycle Road

LG Hausys WFPC suggests the standards for bicycle roads

The Wui Stream in Geochang - gun, Gyeongsangnam - do is transformed into an urban ecological stream, and a 2km bicycle road from Geongye Pavilion to Yanghyang Bridge was constructed with LG Hausys WFPC. According to a public hearing with local residents, they expressed high levels of satisfaction with the natural harmony of the material with the surrounding environment and quality stability.



Before Installation



Changes after Installation