

# DAIKEN Global brochure



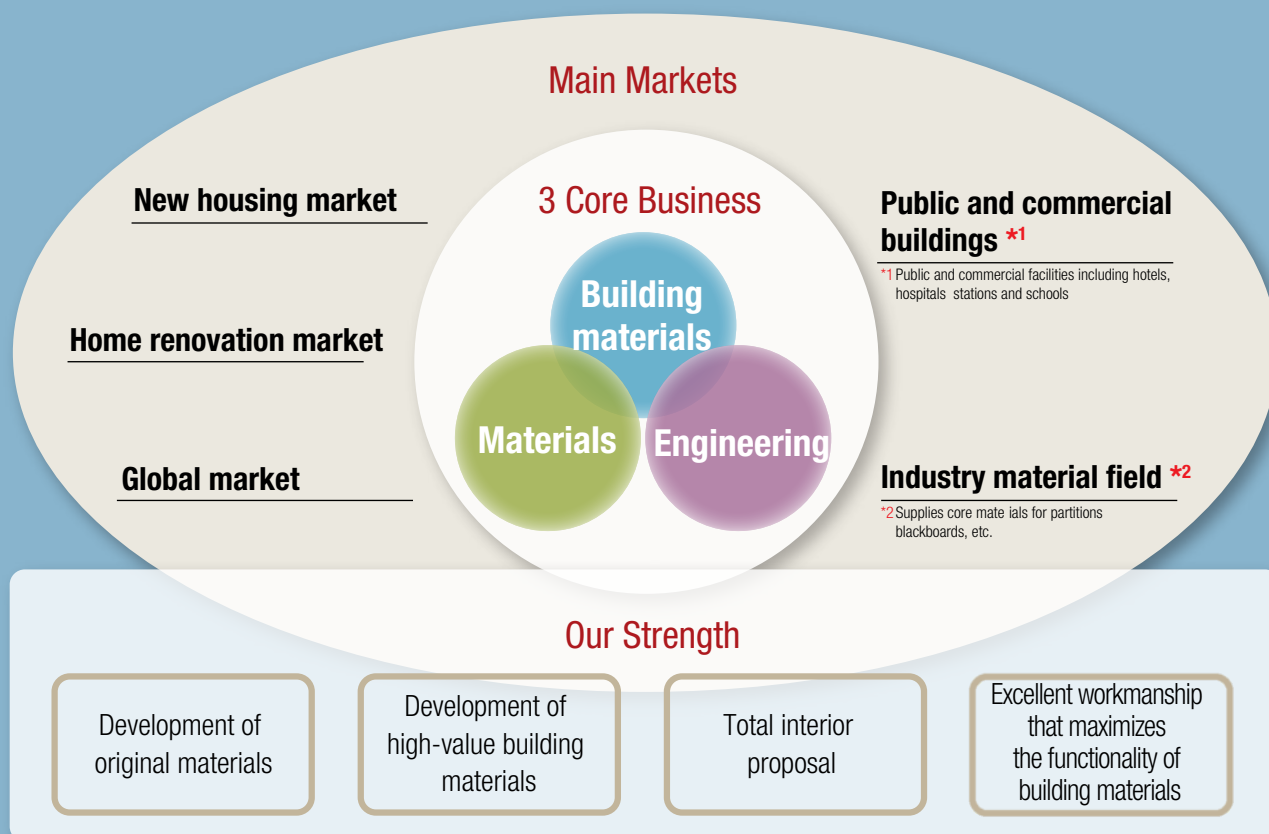
# Aiming at becoming a "full-service company of building materials" which supports social infrastructures including residential, public and commercial facilities.

Building materials are essential to creating various spaces for people's lives.

The DAIKEN group offers an extensive lineup of building materials to improve safety of a wide range of buildings and make spaces comfortable.

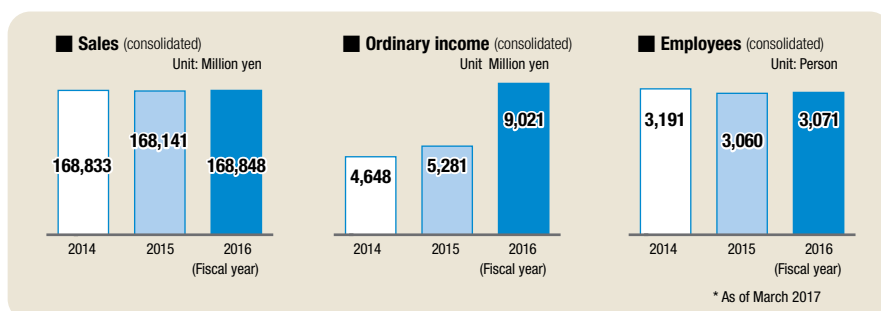
With our unique idea and high technology, we develop building materials from resources such as wood and mineral, as well as Japanese Washi paper. Various functions are added to these building materials to improve security, safety, health and comfortability.

Not only developing materials, we also construct spaces in which the materials' functionality can be maximized. We continue to create new products and services to meet the needs of societies, aiming to establish ourselves as a "full-service company of building materials" which covers a wide range of buildings from housing to public and commercial facilities.



## Company Profile (as of September 2017)

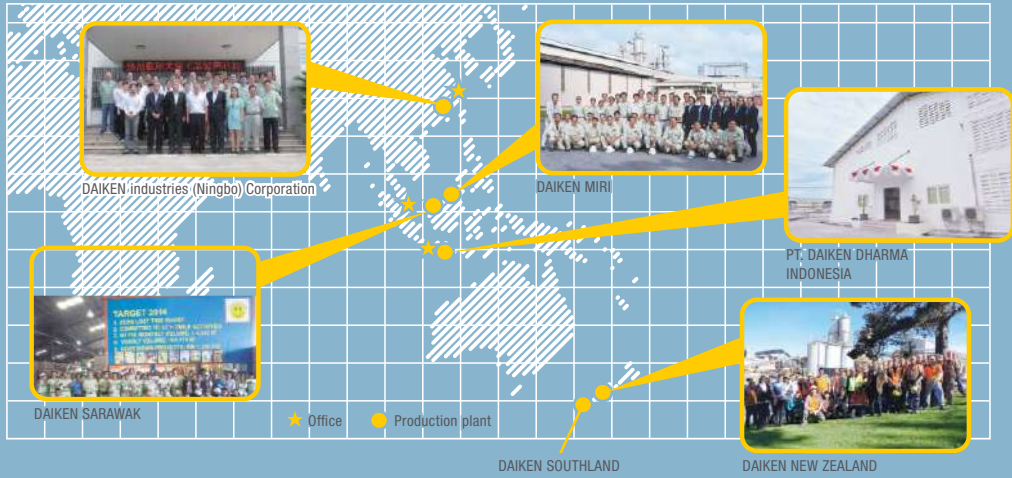
<b>Business name:</b>	DAIKEN CORPORATION
<b>Date of founding:</b>	September 26, 1945
<b>Paid-in capital:</b>	JPY 13,150,039,080
<b>Accounting month:</b>	March





# Global Business Expansion Centered in Asia

The DAIKEN group is expanding the global businesses mainly in Asia. Our three overseas offices are located in China (Shanghai), Singapore and Indonesia. In addition, there are five production plants located in China, New Zealand, Malaysia and Indonesia. Approximately 3,100 employees work in DAIKEN offices and factories worldwide, including Japan.



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## Building Material Business



Development and supply of building materials optimal for various buildings interiors

Ranging from flooring, wall, ceiling, door, cabinets, stairs to acoustic products, we offer high-functional building materials to residential, public and commercial facilities. All of these materials are manufactured from the viewpoints of safety, security, health, comfort

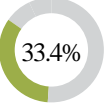


Flooring



Cabinet

## Material Business



Development and supply of high-functional materials

We use wood and mineral resources with sustainability in mind, and provide materials that have added values such as non-combustibility, earthquake resistance, thermal and sound insulation and humidity control properties necessary for people's lives

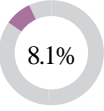


Wood material



Inorganic material

## Engineering Business



Full Support from Supply of Building Materials to Construction of Spaces

We create spaces where the functionality of each material and building material can fully be utilized. This policy is implemented through our interior finish work for a wide range of public, commercial and private facilities including schools, halls, office buildings and apartments



JR Kyoto Station



Tokyo Metropolitan City Hall

**[Headquarters and Offices]**

- Registered Head Office: 1-1 Inami, Nanto City, Toyama, Japan
- Operational Headquarters: 3-2-4 Nakanoshima, Kita-ku, Osaka, Japan
- Tokyo Office: 3-12-8 Sotokanda, Chiyoda-ku, Tokyo, Japan

**[Showrooms]**

Sapporo, Sendai, Shinjuku, Kanazawa, Nagoya, Osaka, Hiroshima, Takamatsu and Fukuoka

**[Overseas Office]**

Shanghai, Singapore and Indonesia

**[Domestic Production Plants]**

- Inami Plant (Nanto, Toyama)
- Okayama Plant (Okayama, Okayama)
- Takahagi Plant (Takahagi, Ibaraki)
- Mie Plant (Tsu, Mie)
- Dait Co., Ltd. (Kurayoshi, Tottori)
- Dai-wood Corporation (Iga, Mie)
- Setouchi Kahoh Co., Ltd. (Okayama, Okayama)
- Toyama Juki Co., Ltd. (Tonami, Toyama)
- Dai-tac Corporation (Okayama, Okayama)
- Aizu Daiken Kako K.K. (Aizuwakamatsu, Fukushima)

**[Overseas Production Plants]**

- DAIKEN industries (Ningbo) Corporation (China)
- DAIKEN NEW ZEALAND LIMITED (New Zealand)
- DAIKEN SOUTHLAND LIMITED (New Zealand)
- DAIKEN SARAWAK SDN. BHD. (Malaysia)
- DAIKEN MIRI SDN. BHD. (Malaysia)
- PT. DAIKEN DHARMA INDONESIA (Indonesia)

For details, refer to our website. →

<https://www.daiken-ad.com/>



# 70 years of a distinguished and successful history.

## Daiken continue contributing to lifestyle innovation by creating new value in the Building Material Industry

1945

1980

1990

1945 **Founded in 1945**

1959

### Ecological Materials

**Developed a Market for High-function Building Materials**



**Wood fiberboards  
Released insulation boards**

DAIKEN established the category of "high-function building materials" that feature workability along with thermal insulation, sound absorption, humidity resistance, and other capabilities, which was not yet familiar in Japan in those days.

1964

### Ecological Materials

**Fast response to the Market Needs for Noncombustible Materials**



**Released mineral fiber boards**

DAIKEN responded to the needs of the times, "high-rise buildings" and "noncombustible materials." Designated by the Ministry of Construction (the current Ministry of Land, Infrastructure, Transport and Tourism) as a certified supplier of fire prevention materials, DAIKEN secured a nationwide market share in the year following the product release.

1970

### High-Function Flooring Materials

**Lead the Market of High-function Flooring Materials through WPC**



**Released WPC flooring materials**

DAIKEN released Japan's first "WPC (Wood Plastic Combination) flooring materials" consisting of wood filled with plastic resin, which features both the beauty and fine texture of wood and the high wear resistance of plastics.

1977

### Built-in Cabinets

**Created Beautiful and Comfortable Living Space with Built-in Cabinets**



In the 1970's, there was an increasing demand for a sufficient storage space for comfort of living. DAIKEN quickly grasped such customer demand and released its first built-in cabinets in 1971.

1982

### Sound Isolation

**Penetrated into Acoustic insulation Material to Pursuit of Comfortable Living Space**



DAIKEN released its first sound isolation product in 1982 to launch a total approach to the area of sound isolation.

1985

### Total Coordination

**Lead the Times with Proposal on Interior Coordination**



**Announced a coordination plan**

DAIKEN announced a unique interior coordination plan.

1996

### Ecological Materials

**Advanced to the MDF Business Based on Developed Technology and Experience**



**Released Wood fiberboards MDF**

DAIKEN released medium-density wood fiberboards made of untapped resources such as residual pieces of timber and wood.

1996

### Comfortability

**Changed the Tatami Facing Material from Rushes to Washi Paper for Industrialization**



**Released tatami facing products**

DAIKEN succeeded in enhancing the wear, water, and stain resistance of the tatami facing material by applying resin coating to strings of machine-made Japanese Washi paper.



Since the company establishment in 1945,

DAIKEN has continued to challenge the creation of new values for 70 years until now.

Throughout this period, DAIKEN has shifted the operations and developed industry-leading materials and products with persistence spirit of exploration to contribute to a more accurate and faster grasp of consumer needs. With adherence to "eco-friendliness" and "improvement in the quality of living spaces," our challenges will continue with the "DAIKEN's own style" as a core.

- Development of ecological materials
- Improvement in quality of living spaces

# 2000

# 2010

## 1997

### Ecological Materials

Announced to the World's First New Bearing Surface Materials as a Pioneer in the Inorganic Bearing Surface Material Area



Released Bearing Surface Material Area

DAIKEN released the world's first new high-tech materials that provide all the characteristics demanded for bearing surface materials, i.e., lightweight, high strength, high durability, fireproof and fire resistance, workability, and breathability, which had been unfeasible in conventional inorganic materials.

## 2003

### Low Formaldehyde Emission

Fast respond to the Issue of Sick Building Syndrome

Acquired the first F4-rank Certificate of Minister

In response to the revision of the Building Standards Act to unify the system of labeling the formaldehyde emission rate of building materials to F ranking, DAIKEN launched a revised Building Standards Act compliance project to promote compliance of all of its products with the revised law. Its promptness in responding to the revised law was proven by the acquisition the "first F4-rank Certificate of Minister" in 2003.

## 2005

### Ecological Materials

Succeeded in Developing the World's First Ecological Flooring Base Material

Developed ecological base material

DAIKEN succeeded in developing the industry's first flooring base material that uses a combination of planted plywood with a resin reinforced layer and, released eco-friendly flooring materials based on that base material the next year. This technology was enhanced further and led to the development of ecological base material that uses a combination of planted plywood with a special MDF in 2008.

## 2008

### Humidity Conditioning

Innovation Building Materials to Deliver a Comfortable Humidity in Indoor Environments

Acquired the first certificate of registration in the "humidity conditioning building material registration/labeling system"



DAIKEN acquired the first certificate of registration in the "humidity conditioning building material registration/labeling system" operated by the Japan Construction Material & Housing Equipment Industries Federation.

## 2008

### Pet Friendliness

Added Pet-friendly Features to Building Materials

Released the flooring system for pet-friendly residences



To address the increasing demand for "living with pets," DAIKEN released the flooring system for pet-friendly residences that provides both pet-friendly features such as the slip-proof surface for walking dogs and user-friendly features such as the resistance to scratching, staining, and discoloration.

## 2012

### Security

Proposed More than Barrier-free Housing

Released building materials for housing for the elderly



DAIKEN proposed a series of advanced building materials developed under the keywords of security, relaxation, and health, which exhibit high-quality performance in a variety of scenes, from ordinary residences to nursing homes and elderly housing with supportive services.

## 2012

### Beauty of "WA" (Value of Sensibility)

Introduced New Values Brought by "Trees"

Released a series of interior building materials made of domestic tree species

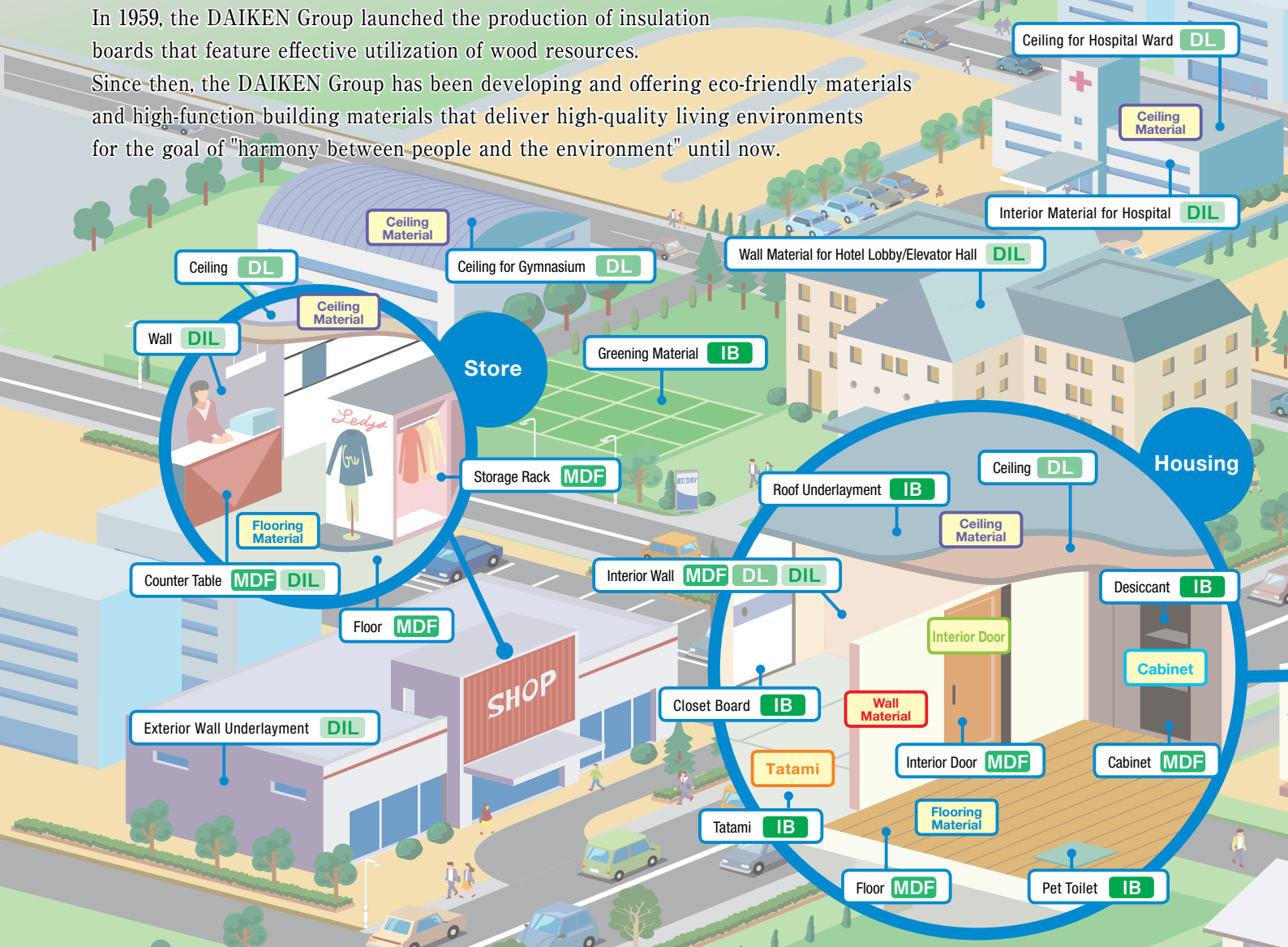


DAIKEN released a series of interior building materials made of domestic tree species such as cedar, chestnut, and horse chestnut, familiar to Japanese because of use in furniture and living equipment through the ages. DAIKEN proposed new values brought by Japanese trees, such as the beauty of wood grain, tender texture, and high-quality living space created by the beauty and tenderness. DAIKEN also contributed to the regeneration of forests in Japan by utilizing domestic wood positively.

# DAIKEN's "Ecological Materials" and "High Functional Building Materials" That Play an Active Role in Various Area from Residential projects to Commercial usage.

In 1959, the DAIKEN Group launched the production of insulation boards that feature effective utilization of wood resources.

Since then, the DAIKEN Group has been developing and offering eco-friendly materials and high-function building materials that deliver high-quality living environments for the goal of "harmony between people and the environment" until now.



## Ecological Materials

### Effective Utilization of Wood Resources

#### Insulation Board

IB

A wood fiber board that uses waste wood etc. produced when buildings are demolished as the raw material, which falls under the category of specific procurement items defined in the Green Purchasing Law



#### MDF

MDF

A wood fiber board that uses waste residual pieces of timber, wood, etc. as the raw material, which falls under the category of specific procurement items defined in the Green Purchasing Law



### Effective Utilization of Mineral Resources

#### Rock Wool Inorganic Board

DL

A rock wool acoustic board that uses slag wool, or fibers of slag obtained as a by-product of iron making, as the main raw material



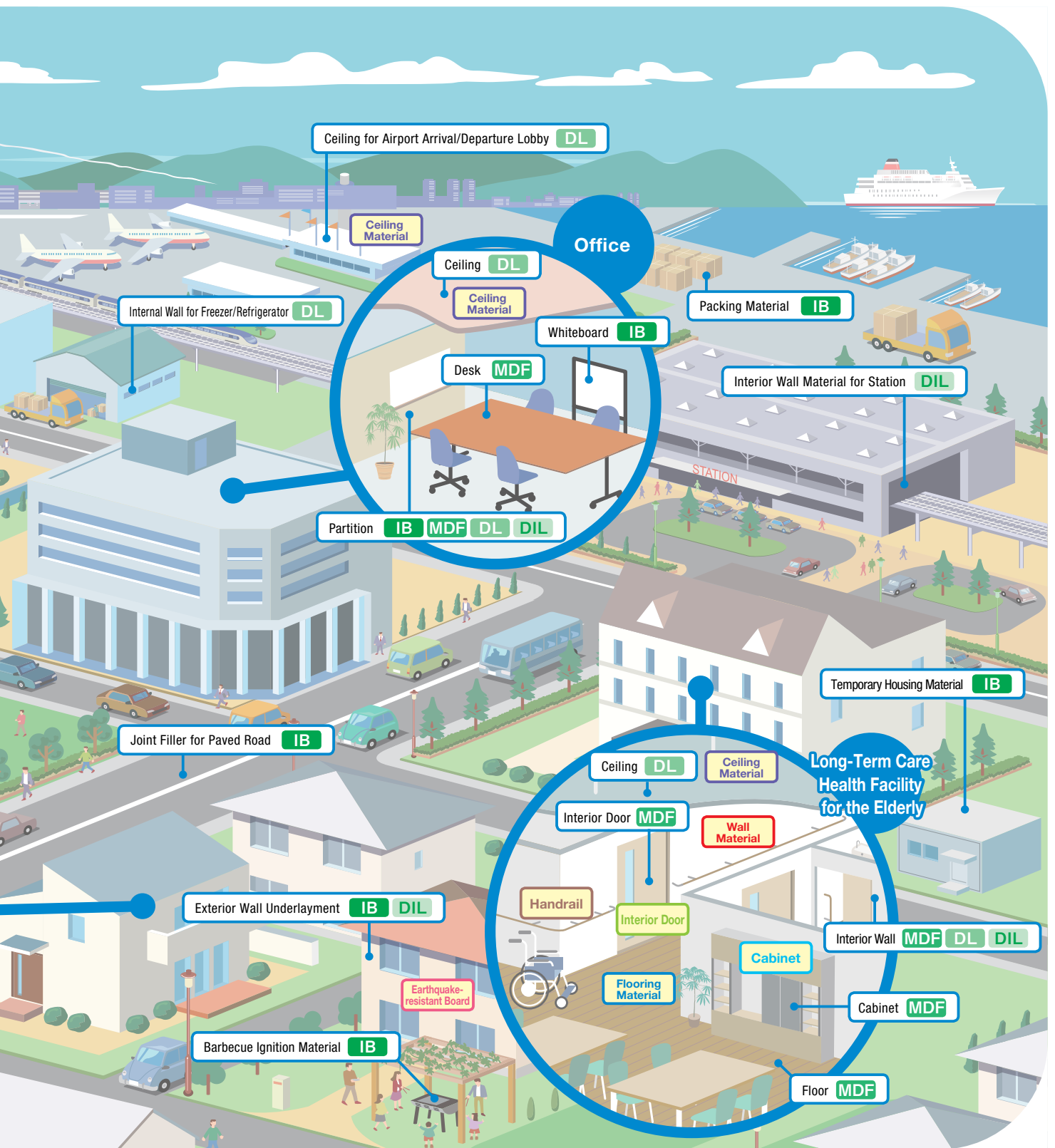
#### Volcanic Silicate and Mineral Fiber Laminated Board

DIL

An inorganic panel produced by effectively utilizing slag wool, which is a recycled material, and volcanic ash and sand called "Shirasu," which is an untapped resource







## High Functional Building Materials Wide range of products with different characteristics and features

- |   |  |
|---|--|
| <p><b>Flooring Material</b> Antimicrobial, dent and scratch resistant, durable against wheelchair and caster wheel use, wax free, wet resistant, pet friendly, etc.</p>                   | <p><b>Earthquake-resistant Board</b> Low VOC, high strength, preservation from decay/termite proof, quasi-noncombustible, moisture permeable, thermal insulation, etc.</p> |
| <p><b>Tatami</b> Antimold, wear resistant, difficult to fade or be sunburned, water repellent, thermal insulation, humidity conditioning, formaldehyde absorption/decomposition, etc.</p> | <p><b>Interior Door</b> Barrier free, noise consideration, short-stroke lever handle<sup>*1</sup>, pet door, etc.</p>  |
| <p><b>Wall Material</b> Antimicrobial, splash resistant, deodorant, humidity conditioning, formaldehyde absorption/decomposition, noncombustible, pet friendly, etc.</p>                  | <p><b>Cabinet</b> Large capacity, seismic lock, dead space utilization, humidity conditioning, deodorant, etc.</p>   |
| <p><b>Ceiling Material</b> Sound absorption, thermal insulation, Non combustible /quasi-noncombustible, deodorant, humidity conditioning, formaldehyde absorption/decomposition, etc.</p> | <p><b>Handrail</b> Antibacterial effect, LED lighting, slip proof (with grip or dimples), etc.</p>   |

\*1 Short-stroke lever handle: An easy-to-use lever handle suitable for the elderly and those with weak physical strength. Opening and closing the door requires only a gentle touch of the handle.

# Project References



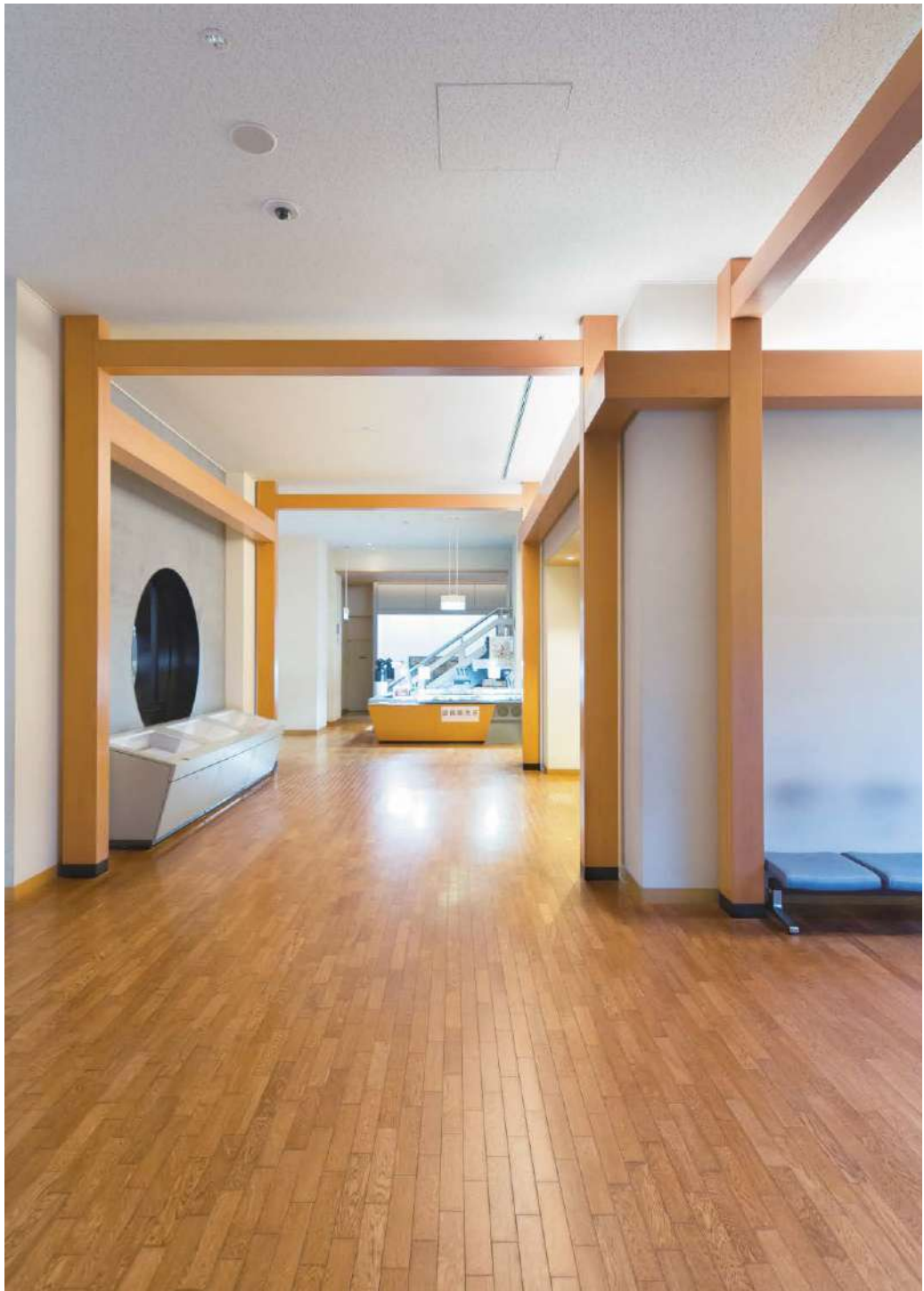
Hokuriku  
Shinkansen  
Kurobe-  
Unazukionsen  
Station

Item: Wall Panel and Ceiling



Osaka Castle Museum  
(Preserving Historic Castle)

Item: Flooring





## Kyoto State Guest House

Item: Flooring

Photo by Shinkenchiku-sha



Meiji Gakuin University  
Shirogane Campus (Tokyo)

Item: Ceiling



Muji Shop in Nagoya Meitetsu Department Store

Item: Flooring

# MDF (Medium Density Fiberboard)

Versatile materials suitable used as base materials for all types of decorative panels.

MDF

Ceiling

Floorings

Interior Door

Cabinet

Wall

Building Acoustics

Others



## About MDF

The DAIKEN Group offers two types of MDF (Medium Density Fiberboard), Hardwood and Softwood types.

**Hardwood Type** Product Thickness: 2.5 to 21.0 mm

**Softwood Type** Product Thickness: 1.8 to 30.0 mm

### Excellent Dimensional Stability

Little dimensional change and a low possibility of warping even under harsh environments (at high temperature and high humidity) allow wide use in cabinets, wooden fittings, etc.

### Superb Water Resistance

Little swelling in water or in humid environments allows use in window frames (sash frames), flooring baseboards, etc. that require resistance to water and moisture.

### Effective Utilization of Untapped Resources and Stable Raw Material Procurement

Taking advantage of our location in Malaysia, we utilize untapped resources such as residual wood pieces discharged from sawmills and plywood plants and also utilize plantation trees to stably procure raw materials.

### Light-colored Surface suitable for a variety of surface decoration

Laminating this MDF with a translucent sheet has little effect on the decoration surface. In direct printing masking coat process may be removed.

### Smooth Surface

Long wood fibers provide smooth surface suitable for lamination, coating, and other treatments.

### Effective Utilization of Untapped Resources and Stable Raw Material Procurement

One of our plants is located in New Zealand where planned-afforested radiata pine trees are abundantly available. Portions of the trees not suitable for sawing are used as the raw material of the MDF for stable raw material procurement.



## Application Examples

### [Construction Fittings]

- Flooring material (Base material)
- Surface material for counter tables, housing equipment, and flush doors
- Frame material (for opening frame, window frame, or door frame)
- Ceiling cornice, baseboard, and parting edge
- Counter top and ceiling board for bay windows

### [Kitchen and Bathroom Equipment]

- Door, side/back plate, and shelf board of kitchen equipment
- Top board, side/back plate, and shelf board of washstand

### [Office Equipment]

- Blackboard and partition

### [Furniture and Woodwork]

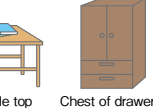
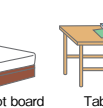
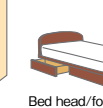
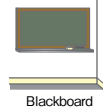
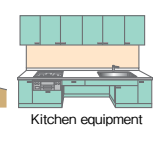
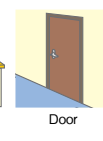
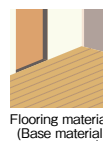
- Door, side/top plate, or material of chest/shelf furniture
- Front plate and panel of drawers
- Door and panel decoration
- Table top of legged furniture
- Dressing table, Buddhist altar fittings, and corner furniture
- Bed head/foot board
- Interior accessory (doll case, picture frame, or box)

### [Entertainment Equipment]

- Front/side plate, shelf board, panel of electronic musical instrument

### [Electric and Acoustic Equipment]

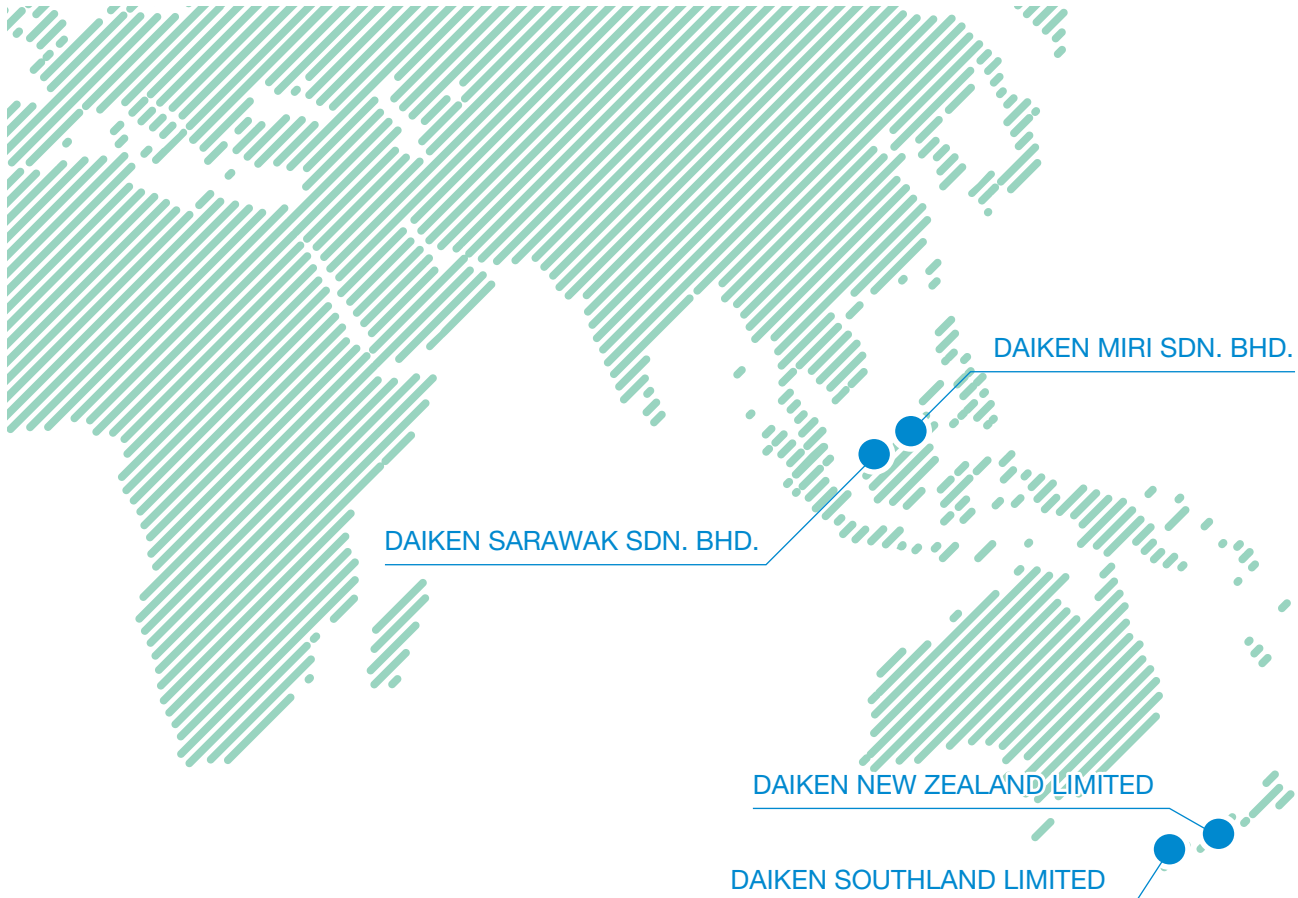
- Loudspeaker box and rack
- Table top, legs, and modesty panel of furniture-style Kotatsu (Japanese foot warmer table)





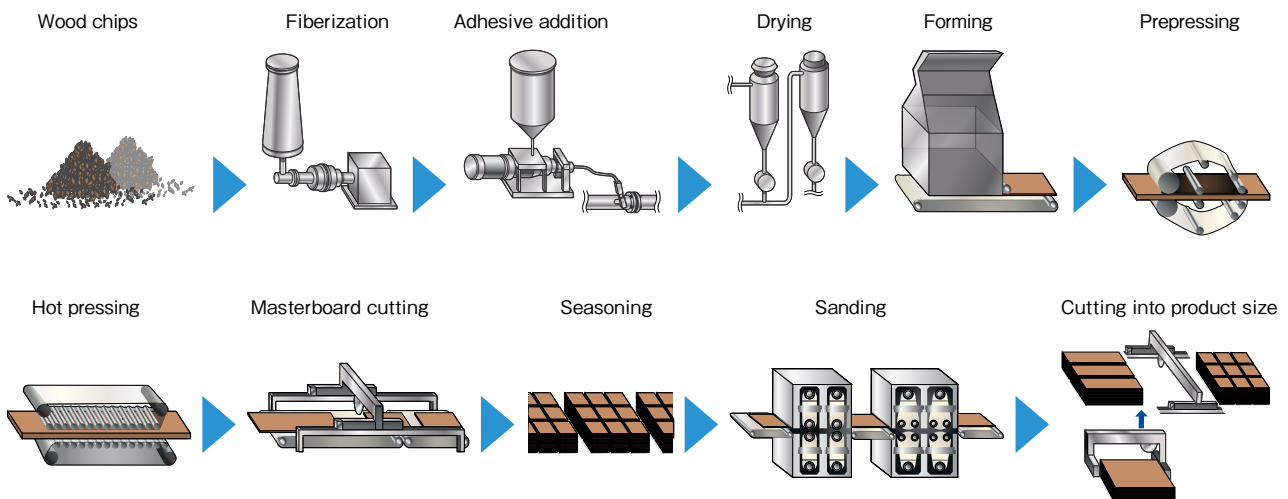
## DAIKEN MDF Production Plants

The DAIKEN Group has four MDF production plants in the world, two are located in Malaysia (one line each) and two is in New Zealand (three lines).



Tree type	Hardwood		Softwood	
Plant name	DAIKEN SARAWAK SDN. BHD.	DAIKEN MIRI SDN. BHD.	DAIKEN NEW ZEALAND LIMITED	
Abbreviation	DSK	DMR	DNZ	
Location	Sarawak, Malaysia		Rangiora, New Zealand	
Annual production capacity	120,000m <sup>3</sup>	110,000m <sup>3</sup>	Line 1 : 100,000m <sup>3</sup>	Line 2 : 110,000m <sup>3</sup>
Certifications	JIS A 5905 CARB ISO 9001 / 14001 PEFC CoC	JIS A 5905 CARB ISO 9001 / 14001	JIS A 5905 CARB ISO 9001 / 14001 FSC CoC	
Investment ratio	DAIKEN CORPORATION 75% Local state government-related companies 25%	DAIKEN CORPORATION 70% Samling Group 30%	DAIKEN CORPORATION 100%	

## DAIKEN MDF Production Processes Plan



# MDF (Medium Density Fiberboard)

## Product Lineup - Standard Products (JIS Product)

Main raw material		Hardwood			Softwood		
JIS class		Formaldehyde emission					
Adhesive	Bending strength	F☆☆☆☆	F☆☆☆	F☆☆	F☆☆☆☆	F☆☆☆	F☆☆
Type U	Type 30	○	○	○	○	○	—
	Type 25	○	○	○	○	○	○
	Type 15	—	—	—	○	○	—
	Type 5	—	—	—	○	—	—
Type M	Type 30	○	○	○	—	—	—
	Type 25	○	○	○	—	—	—
	Type 15	○	—	—	—	○	—

## Quality Standards of Standard Products (JIS Product)

JIS class		Density	Moisture content	Bending strength	Bending strength under wet condition	Swelling in thickness after immersion in water	Internal bond	Wood screw holding power	Formaldehyde emission	(informative) Bending Young's modulus		
		g/cm <sup>3</sup>	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	%	N/mm <sup>2</sup>	N	mg/L	N/mm <sup>2</sup>		
Type U	Type 30	0.35 or over	5 or over up to and incl.13	30.0 or over	—	—	0.5 or over	500 or over	Avg. 0.3 or under Max. 0.4 or under	2500 or over		
									Avg. 0.5 or under Max. 0.7 or under			
									Avg. 1.5 or under Max. 2.1 or under			
	Type 25								Avg. 0.3 or under Max. 0.4 or under		2000 or over	
									Avg. 0.5 or under Max. 0.7 or under			
									Avg. 1.5 or under Max. 2.1 or under			
	Type 15								Avg. 0.3 or under Max. 0.4 or under			1300 or over
									Avg. 0.5 or under Max. 0.7 or under			
	Type 5								Avg. 0.3 or under Max. 0.4 or under			
Type M	Type 30	0.35 or over	5 or over up to and incl.13	30.0 or over	15.0 or over	• 17 or under for thickness 7 mm or under • 12 or under for thickness over 7 mm up to and incl. 15 mm • 10 or under for thickness over 15 mm	0.5 or over	500 or over	Avg. 0.3 or under Max. 0.4 or under	2500 or over		
									Avg. 0.5 or under Max. 0.7 or under			
									Avg. 1.5 or under Max. 2.1 or under			
	Type 25								Avg. 0.3 or under Max. 0.4 or under		2000 or over	
									Avg. 0.5 or under Max. 0.7 or under			
									Avg. 1.5 or under Max. 2.1 or under			
	Type 15								Avg. 0.3 or under Max. 0.4 or under			1300 or over
									Avg. 0.5 or under Max. 0.7 or under			

Wood screw holding power: Applicable to thickness of 15 mm or over

## Product Lineup - Standard Products (Non-JIS Product)

Main raw material		Hardwood	Softwood
CARB	P2	○	○
	ULEF	—	○
EN	E1	○	○
	E2	○	○

\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.



## Product Lineup (Custom Order)

Item	Main raw material		Product group	Formaldehyde emission level	Features
	Hardwood	Softwood			
Floor use	○	○	Thickness: 2.7 to 12 mm	JIS A 5905:F☆☆☆☆/F☆☆☆	<ul style="list-style-type: none"> <li>High water resistance</li> <li>Industry-leading dimensional stability</li> <li>Resistance to floor waxes and cleaners</li> </ul>
Acacia 100%	○	—	Thickness: 2.5 to 6.0 mm	EN: E1/E2 JIS A 5905:F☆☆☆☆/F☆☆☆	<ul style="list-style-type: none"> <li>Sustainable Acacia mangium (Plantation tree) fiber used 100% as raw material</li> <li>High bending strength</li> <li>First-class water resistance in MDF category</li> <li>Difficult to be deformed even at high temperature and high humidity</li> </ul>
Ultra-light board	—	○	Thickness: 7 mm or over Density (g/cm <sup>3</sup> ): 0.3 to 0.6	CARB: P2/ULEF EN: E1/E2 JIS A 5905:F☆☆☆☆/F☆☆☆	<ul style="list-style-type: none"> <li>Lightweight for easy handling and reduced distribution cost</li> <li>Thermal insulation and sound absorption</li> </ul>
Ultra-thin board	—	○	Thickness: 1.8 mm	CARB: P2/ULEF EN: E1/E2 JIS A 5905:F☆☆☆☆/F☆☆☆	<ul style="list-style-type: none"> <li>Unprecedentedly thin MDF</li> <li>Suitable as surface material due to inherent surface texture of MDF</li> </ul>

## Plantation Activities

Sustainable resource development: Aiming to shift from natural to sustainable planted trees, we started planting Acacia mangium trees in Sarawak state of Malaysia in 2002.

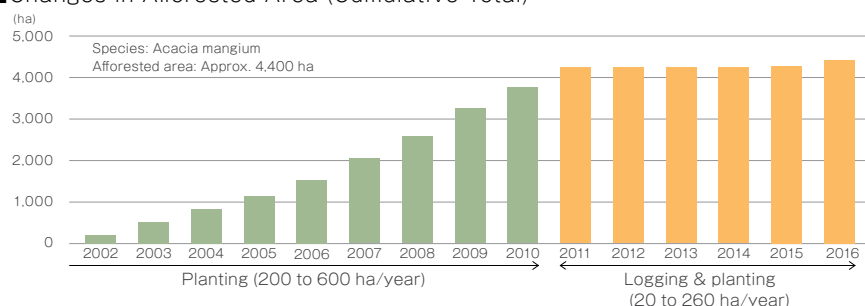


## Environmental Protection

The tree plantation area has reached 4,200 hectares or more.

which contributes to a fixed annual carbon dioxide absorption of approximately 200,000 tons.

■ Changes in Afforested Area (Cumulative Total)



\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

## DAIKEN Ceilings are chosen in buildings all over the world

DAIKEN Ceilings are made from selected mineral rockwool fibers and special binders. The mineral rockwool fibers uniformly interwoven by the unique wet-felting process to form DAIKEN Ceilings.

Because the DAIKEN Ceilings has porous properties with a low specific gravity, they exhibit efficient thermal insulation and sound absorption qualities, while resisting sound transmission more effectively than glass fiber products.



JR Kyoto station, Kyoto, Japan

DAIKEN makes ceiling from slag wool, a byproduct of iron manufacturing.



Slag is converted into mineral fibers, then the fibers are felted into DAIKEN Ceilings. Photo shows a piece of slag and mineral fibers.

### There are many good reasons to choose DAIKEN Ceilings

#### Advantages to Users

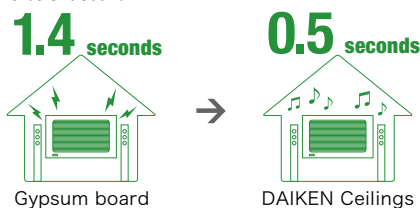
##### Fire Resistance

Outstanding fire resistance helps contain fires.



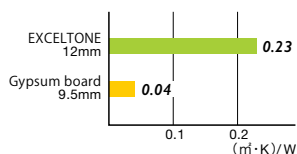
##### Sound Absorption

Adequately absorb the sound and create comfortable reverberant sound.



##### Thermal Insulation

Thermal insulation performance is 6 times better than gypsum board, and helps to minimize cost of air conditioning.



##### Attractive Design

With design versatility, DAIKEN ceiling are attractive.



#### Advantages to Builders



**Easy installation and maintenance.**  
Most of DAIKEN Ceiling can be installed by the metal suspension system.



**No Asbestos contained**  
All DAIKEN Ceilings are Asbestos-free products.

#### Eco Labels (EXCELSTONE MR only)



##### Environmental Choice Australia

DAIKEN EXCELSTONE (MR series) Acoustic Ceiling Tiles submitted for verification meet the GECA environmental performance criteria and that the products can successfully gain official registration as certified "Good Environmental Choice" products under the Australian Ecolabel Program.



##### Ecospecifier

DAIKEN EXCELSTONE (MR series) has been assessed and met the criteria for inclusion on ecospecifier.org. In addition, a Green Rate Green Building Scheme Pre-Assessment has been conducted and found this products is likely to contribute to the achievement of Green Building rating tool credits.



ISO: International Organization for Standardization [ISO 14001] related to Environmental Management Systems [ISO 9001] related to Quality Management Systems (Registered Scope) <http://www.jtccm.or.jp/>



# EXCELTONE (MR series)



## Ceiling Board with outstanding humidity resistance (RH)

EXCELTONE (MR series)

EXCELTONE (MR series) HIGH NRC Board

### PHYSICAL DATA SUMMARY

Representative data of EXCELTONE MR series 5/8" MN.

Physical Properties		Test Method
Moisture content	2%	JIS A 6301
Modulus of Rupture	17kgf/cm <sup>2</sup>	JIS A 6301
Fire Propagation Test	Class 0	B.S.476 Part 6
Flame Spread	Class A (0-25)	ASTM E84
	0	Australian Standards 1530.3
	20	UL723
	Class 1	B.S.476 Part 7
Thermal Conductivity	0.045kcal/mh°C	JIS A 1412
Light Reflectance	Over 0.80	ASTM E1477
Sound Absorption Coefficient(NRC)	0.55	ASTM C423
Ceiling Attenuation Class(CAC)	36	Australian Standards 2499 (TWO-ROOM METHOD)

JIS: Japanese Industrial Standard

Data of EXCELTONE MR series 3/4"High NRC MC

Physical Properties		Test Method
Flame Spread	Class A	ASTM E84
Light Reflectance	Over 0.80	ASTM E1477
Sound Absorption Coefficient(NRC)	0.75	ASTM C423
Ceiling Attenuation Class(CAC)	33	ASTM E1414

### EXCELTONE Antibacterial and deodorant treatment

Anti-bacterium examination result

Bacteria	Specimen	Viable bacteria count /specimen (24hours later)
Escherichia coil (3.6×10 <sup>4</sup> )	Regular tile (non-Hospitone coating)	1.1×10 <sup>2</sup>
	Hospitone coating	<10
	bacteria specimen	2.6×10 <sup>6</sup>
Pseudomonas aeruginosa (4.5×10 <sup>4</sup> )	Regular tile (non-Hospitone coating)	7.8×10 <sup>6</sup>
	Hospitone coating	10
	bacteria specimen	2.2×10 <sup>6</sup>
MRSA mejishirin methicillin resistant staphylococcus aurei (3.8×10 <sup>4</sup> )	Regular tile (non-Hospitone coating)	10
	Hospitone coating	<10
	bacteria specimen	1.2×10 <sup>6</sup>

Test Method : drop each bacteria on specimen and stock - culture 24 hours at 36°C and measure the bacteria count. Tested by Japan Food Research Laboratories.



\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

## EXCELSTONE (MR series)



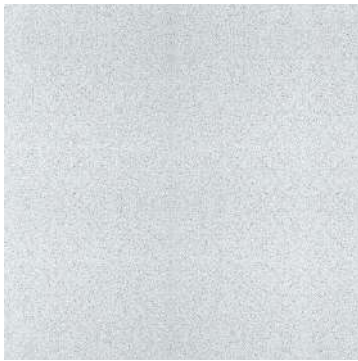
▲MD



▲MN



▲MC \*1



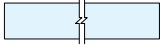


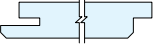


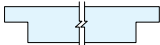
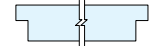
▲MA \*1



▲MP \*1



▲MV \*1

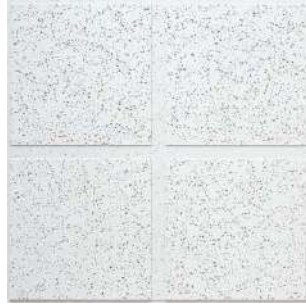
EXCELSTONE MR series	Thickness (nominal)	Standard Size	Edge
Exposed Board	1/2", 5/8"	24" x 24" (o.c.) 24" x 48" (o.c.) 600 x 600mm (o.c.) 600 x 1,200mm (o.c.)	 4 sides: Trimmed.
Semi-concealed Tile	15mm	400 x 1,500mm 500 x 1,500mm	 Long sides: Kerf and rabbet, Square edges.  Short sides: Trimmed.
Shiplap Tile	15mm	400 x 1,500mm 500 x 1,500mm	 Long sides: Shiplap, bevel edges.  Short sides: Trimmed.
Reveal Tile	5/8"	24" x 24" (o.c.) 24" x 48" (o.c.) 600 x 600mm (o.c.) 600 x 1,200mm (o.c.)	 4 sides: Revealed, Square edges.
	13mm	24" x 24" (o.c.) 24" x 48" (o.c.) 600 x 600mm (o.c.) 600 x 1,200mm (o.c.)	 4 sides: Revealed, square edges.
Slim-line Tile	5/8" 13mm	24" x 24" (o.c.) 24" x 48" (o.c.) 600 x 600mm (o.c.) 600 x 1,200mm (o.c.)	 4 sides: Slim-line revealed, square edges.

\*1 MC, MA, MP and MV pattern has no square edge Semi-Concealed Tile.





▲ MLC-10N



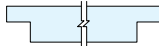
▲ MLC-20N



▲ MLC-40N

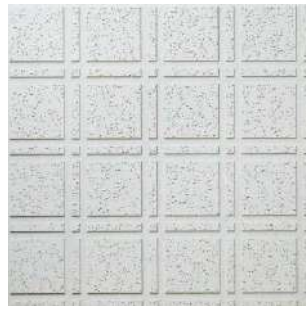


▲ MLC-41N

EXCELSTONE MR series	Thickness (nominal)	Standard Size	Edge
Reveal Tile	5/8"	24" x 24" (o.c.) 24" x 48" (o.c.) 600 x 600mm (o.c.) 600 x 1,200mm (o.c.)	 4 sides: Revealed, square edges.



▲ MLC-9N



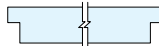
▲ MLC-16N



▲ MLC-64N



▲ MLC-81N

EXCELSTONE MR series	Thickness (nominal)	Standard Size	Edge
Slim-line Tile	15mm	24" x 24" (o.c.) 600 x 600mm (o.c.)	 4 sides: Slim-line revealed, square edges.



## 3/4 MS-NRC (RH 99)

### Key Attributes

#### Features & Benefits:-

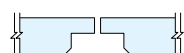
- Smooth and finely monolithic white face, with a very subtle smooth faced fibre textures.
- Clean monolithic look is an ideal aesthetic choice for many commercial interior space requirements.
- Outstanding Noise Reduction Coefficient (NRC) and Ceiling Attenuation Class (CAC) improving acoustical conditions in the room.
- Non-Asbestos

#### Applications:

- Hotels
- Educational Facilities
- Emergency Departments (EDs Hospitals)
- Auditoriums
- Conference Rooms
- Media Centres

Note: Ceiling installed within temperature of 0°C to 50°C and relative humidity up to 99%

### Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	3/4"	600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 4 Sides: Trimmed	T24 FUT-24
Beveled Reveal Board	3/4"	600mm x 600mm (O.C)BR 600mm x 1200mm (O.C)BR	 4 Sides: Beveled Reveal	T24 FUT-24

### PERFORMANCES

Moisture Content  
2% - JIS A 6301

Flame Spread / Fire Resistance  
US: Class A  
Flame Spread 25 or under  
BS 476 Part 6 & 7 : Class 0 / Class 1

Light Reflectance  
0.80 & above

Sound Absorption Coefficient  
3/4 : NRC 0.70

Guaranteed  
10 years against visible sagging

Country Of Origin  
Made In Japan





Improving the functionality of ceilings in various building and public facility spaces.

Tokyo Metropolitan Government Building

## Decorative Acoustic Boards

PN: <TRAVERTINE>  
(Joint width: 4 mm)  
9 mm or 12 mm thick,  
455 x 910 mm



PN: <STAR BREATH>  
(Joint width: 4 mm)  
9 mm or 12 mm thick,  
455 x 910 mm



PN: <TRAVERTINE>  
(Joint width: 4 mm)  
12 mm thick,  
600 x 1200 mm



PN: <GRID 600>  
12 mm thick,  
600 x 600 mm



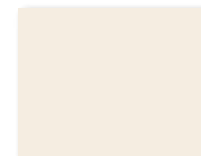
PN: <BEVEL 600>  
12 mm thick,  
600 x 600 mm



PN: <GINGA 4>  
9 mm or 12 mm thick,  
300 x 600 mm



### COLOR



<R1>



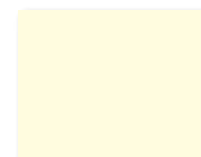
<N5>



<B3>



<G1>



<Y1>

## Decorative Acoustic Boards

### CURVED



### FREE DESIGN CEILING



## SYSTEM CEILING

### GRID

<NDF/LG> 15 mm thick  
<LV> 12 mm thick



<NDF>



<LG>



<LV>

DAIKEN's core products are presented here.

\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

## TA3

Residential Use Underlayment System Direct Fix Tongue & Groove Joint 12mm Thick Sound Absorption Coefficient: 0.45 to 0.53 (N.R.C)\*

Combined with sound absorption capability to suppress disturbing reverberations, humidity conditioning maintains comfortable humidity in housing.

\* The sound absorption coefficient value is based on the laboratory measurement. Measurements in actual sites vary depending on the structure and conditions.

■ Labels Related to Public Certifications and Industrial Associations

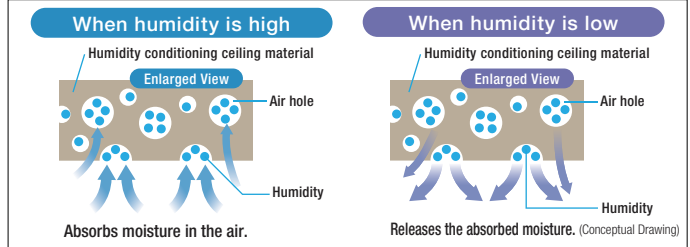
- Formaldehyde Labeling Exempted Product
- 4VOC Standards Compliant
- Quasi noncombustible
- Green Building
- Health & Environment Building Material

■ Premium Features

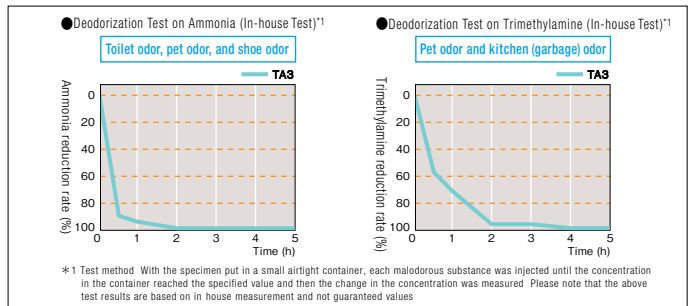
- Low VOC
- Deodorant
- Humidity Conditioning
- Formaldehyde Absorption
- DAIKEN ECO



### ■ Stable Humidity Condition deliver refreshing space

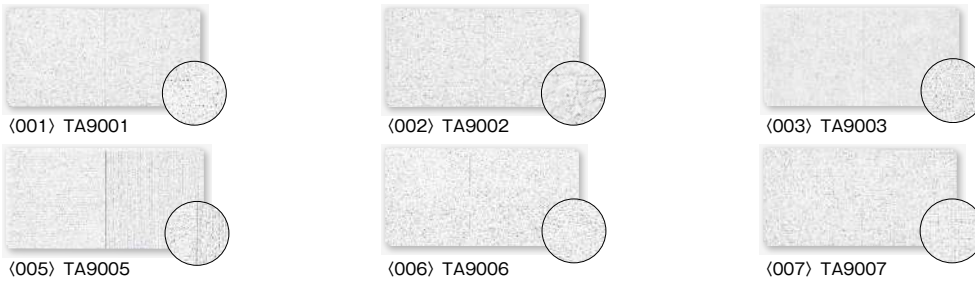


### ■ Deodorizing Effect to eliminate Major Odors in Daily Life, Such as Toilet Odor, Garbage Odor, and Pet Odor

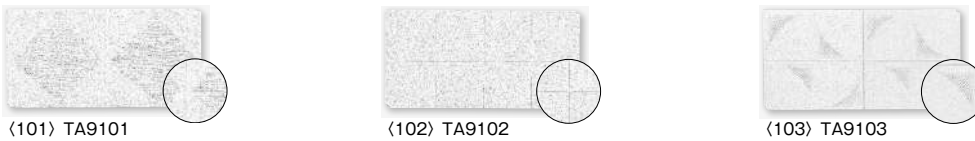


■ This product may be installed on cloth type of wallpaper's wall at home, etc. depending on the design plan and side condition.

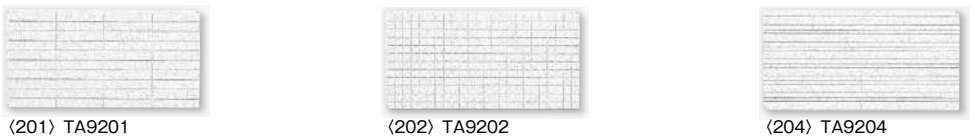
### <FLAT>



### <PATTERN>



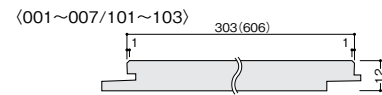
### <RIB/GRID>



### Specifications

- Dimensions ▷ 12 mm thick, 303 x 606 mm
- Packing material, quantity ▷ Cardboard case, 18 pieces (3.3m) per case
- Base material ▷ Humidity conditioning rock wool acoustic board (12mm)
- Surface finish ▷ Pinhole and rib processing (<201/202/204> only), emboss, and acrylic emulsion coating
- Edge processing ▷ Tongue-and-groove joint on all sides
- Certifications ▷
  - Quasi-noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, QM-9817
  - Eco Mark certified product (recycled materials used, 53% slag) No. 08123013
  - Humidity conditioning building material, registered product name "Healthy and comfortable ceiling material DAI-LOTONE" (Humidity conditioning rock wool acoustic board (12mm))  
Registration number: T08-0002 Registration agency: Japan Construction Material & Housing Equipment Industries Federation
- Formaldehyde regulations ▷ Labeling exempted product

### ■ Cross-sectional View The value in parentheses indicates the dimension on long sides.



\* <FLAT> and <PATTERN> products are intended for installation on the entire ceiling and therefore have no striped.





Sound absorption feature is to soften unpleasant household sounds and indoor noise for ease of listening to TV sound and human voices in large living rooms, etc.

\* The sound absorption coefficient value is based on the laboratory measurement. Measurements in actual sites vary depending on the structure and conditions.

Labels Related to Public Certifications and Industrial Associations

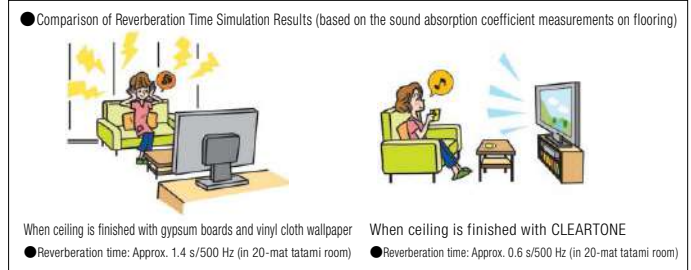
- Formaldehyde Labeling Exempted Product
- 4VOC Standards Compliant
- Quasi noncombustible

Premium Features

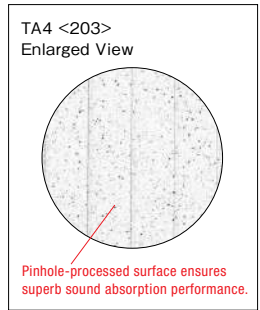
- Low VOC
- Formaldehyde Absorption
- GREEN ECO



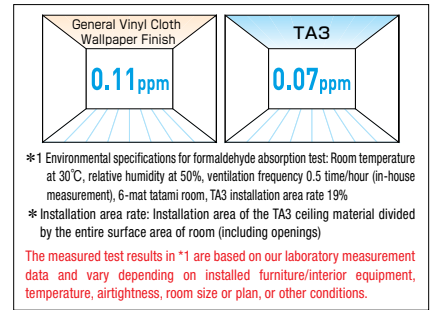
Sound Absorption Effect to Suppress Excessive Sound Reverberation for Ease of Listening to TV Sound and Human Voices



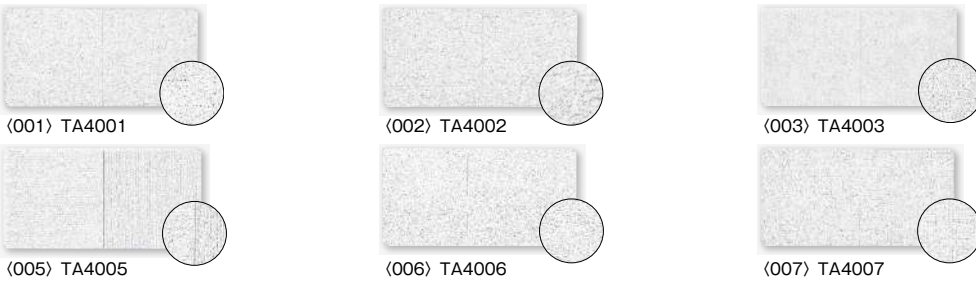
Pinhole-processed Surface for Enhanced Sound Absorption



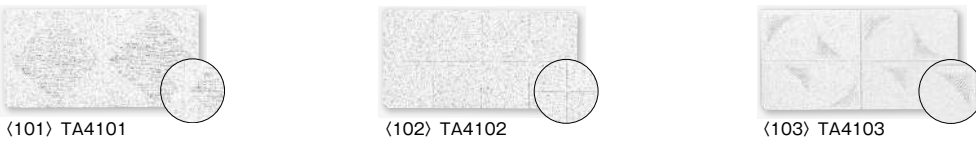
Comparison of Formaldehyde Absorption Performance Test Results\*1



(FLAT) .....



<PATTERN> .....



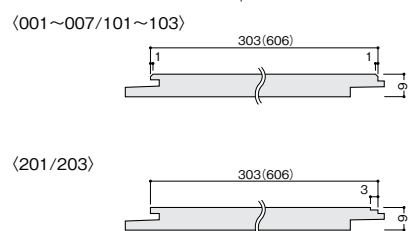
<RIB/GRID> .....



Specifications

- Dimensions ▷ 9 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 18 pieces (3.3 m<sup>2</sup>) per case
- Base material ▷ Rock wool acoustic board
- Surface finish ▷ Pinhole and rib processing (<201/203> only), emboss (except for <201/203>), and acrylic emulsion coating
- Edge processing ▷ Tongue-and-groove joint on all sides
- Certifications ▷ • Quasi-noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, QM-9817
- ▷ Eco Mark certified product (recycled materials used, 53% slag) No. 08123013
- Formaldehyde regulations ▷ Labeling exempted product

Cross-sectional View The value in parentheses indicates the dimension on long sides.



### TA7

Residential Use Underlayment System Direct Fix Tongue & Groove Joint 12mm Thick

Easy-to-clean. Just wipe the ceiling surface with neutral detergent, recommended for heavy kitchen user. TA7 features a refined geometric design.

Labels Related to Public Certifications and Industrial Associations



Premium Features



- Recommended for heavy user kitchen and Living Room Ceilings
- Attractive Geometric Design to create stylish and beautiful ceiling.



Wipeable Ceiling Material



- This product can be installed on cloth type of wallpaper's wall at home, etc.

### TA6

Residential Use Underlayment System Direct Fix Tongue & Groove Joint 9mm Thick

Easy-To Clean. Just wipe the ceiling surface with neutral detergent, recommended for heavy user in the kitchen etc. TA6 features a simple design with reasonable price.

Labels Related to Public Certifications and Industrial Associations



Premium Features



- Recommended for heavy user kitchen and Living Room Ceilings



Wipeable Ceiling Material

- Reasonably Priced Ceiling Material with a Simple Design

TA7



(01) TA7101



(02) TA7102

TA6



(03) TA6103

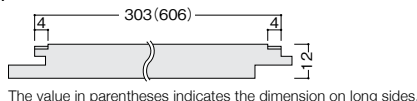


(04) TA6104

#### Specifications (TA7)

Dimensions	▷ 12 mm thick, 303 x 606 mm
Packing material, quantity	▷ Cardboard case, 18 pieces (3.3m <sup>2</sup> ) per case
Base material	▷ Rock wool acoustic board
Surface finish	▷ Emboss, acrylic emulsion coating (clear pearl top coat)
Edge processing	▷ Tongue-and-groove joint on all sides
Certifications	▷ Quasi-noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, QM-9817 ▷ Eco Mark certified product (recycled materials used, 53% slag) No. 08123013
Formaldehyde regulations	▷ Labeling exempted product

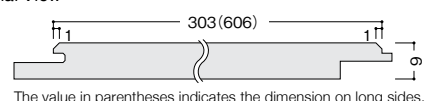
#### ■ Cross-sectional View



#### Specifications (TA6)

Dimensions	▷ 9 mm thick, 303 x 606 mm
Packing material, quantity	▷ Cardboard case, 18 pieces (3.3m <sup>2</sup> ) per case
Base material	▷ Rock wool acoustic board
Surface finish	▷ Emboss, acrylic emulsion coating (clear pearl top coat)
Edge processing	▷ Tongue-and-groove joint on all sides
Certifications	▷ Quasi-noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, QM-9817 ▷ Eco Mark certified product (recycled materials used, 53% slag) No. 08123013
Formaldehyde regulations	▷ Labeling exempted product

#### ■ Cross-sectional View





# Daiken Ceiling grid Construction Method for Buildings and Stores New Technology



Utilizing the know-how of installation method of ceiling system, DAIKEN has achieved both earthquake resistance and workability improvement.

After the Great East Japan Earthquake, the Japanese Building Standard Law was revised to require higher seismic performance for ceilings. However, there was a concern that fulfilling the demand with the conventional construction method would result in an increase in the construction workload. To address this issue, DAIKEN adopted a unique new ceiling construction method that can improve the seismic performance of ceilings in a short construction period with less workload.

This solution uses a ceiling underlayment material that combines the benefits of conventional ceilings with those of system ceilings.

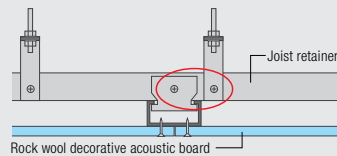
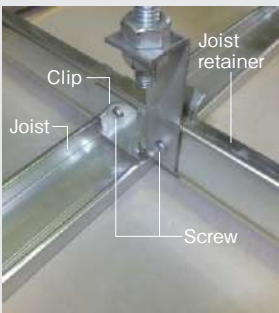
Benefits of Conventional Ceiling Method	+	Benefits of New Ceiling Method
<ul style="list-style-type: none"> <li>Flexible design</li> <li>Usable for buildings in a variety of applications</li> </ul>		<ul style="list-style-type: none"> <li>High rigidity through the use of grid assembly</li> <li>Unitized design for less workload and shorter construction period</li> </ul>



Earthquake resistance and workability improvement with comfortable indoor environment maintained

## Simplified Construction with Improved Safety

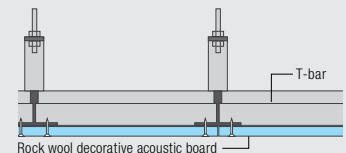
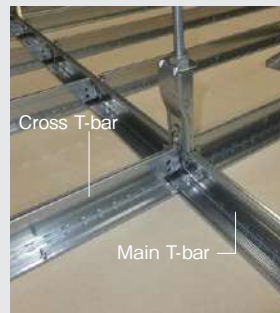
### Improving Seismic Performance with Conventional Ceiling Method



- Joists need to be bound to joist retainers using clips and reinforcing metal fittings.
- High-rigidity diagonal bracing corresponding to the unit weight of the ceiling needs to be installed.

3 to 4 times the conventional construction workload is needed.

### New Ceiling Construction Method



- Dedicated T-bars have tenon joints, so need not be fixed using screws.

Construction workload is reduced by approx. 20 to 30%, compared to when using conventional ceiling method to improve the seismic performance.

### High Seismic Performance to Withstand a Horizontal Load Equivalent to 2.2G.

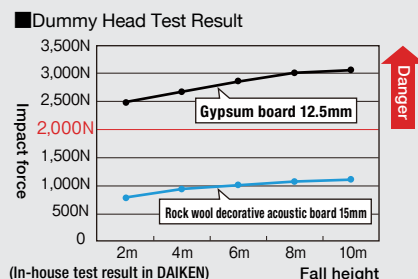
Our new method showed a high seismic performance of 4,000 N with respect to the allowable ceiling proof stress in the "unit test" (static pressurization test) designated by the Ministry of Construction (the current Ministry of Land, Infrastructure, Transport and Tourism). \*In-house test result



\*Construction is performed in accordance with "Practical Guide on the Technical Standards concerning Measures to Prevent the Fall of Ceilings in Buildings" based on Notification No.771 of the Ministry of Land, Infrastructure, Transport and Tourism.

### Improved Safety with Light-weight Rock Wool Decorative Acoustic Boards

It is proved in our laboratory test that our rock wool decorative acoustic boards have a low risk to human life in the event of falls.



Reference: Dummy Head Test  
The impact force was measured by allowing each material to fall from the specified height. It is considered that there is a low risk to human life if the impact force is 2,000 N or less.

### One-push Underlayment Installation Combined with Excellent Workability to Realize a Short Construction Period

The new method contributes to the reduction of construction workload because the number of seismic braces is reduced.

Weight of Ceiling in Conventional Method  
**10~20kg/m<sup>2</sup>**

\*Total weight of materials under steel channels (Metal fittings + Underlayment + Finishing materials)

Weight of Ceiling in New Method  
**8kg/m<sup>2</sup>**

\*When using DIRECT GRID 600 (12mm)  
\*Total weight of materials under dedicated T-bars (Metal fittings + Finishing materials)

The above information relates to ceiling construction methods available in Japan. For their application to your country or other details, please contact our sales office.

\* The performance values and the certification labels are based on the Japanese test method and standards.  
\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

## Installation Guide

MDF

Ceiling

Flooring

Interior Door

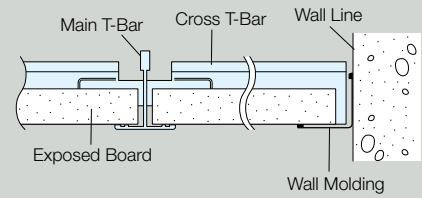
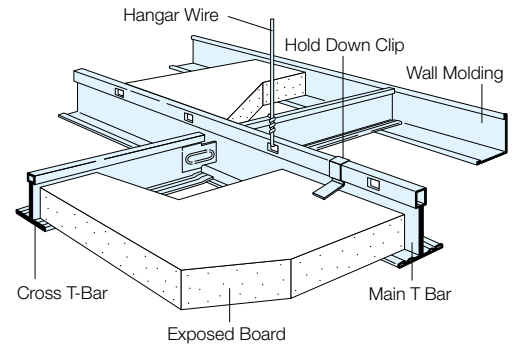
Cabinet

Wall

Building Acoustics

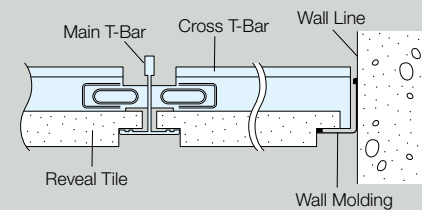
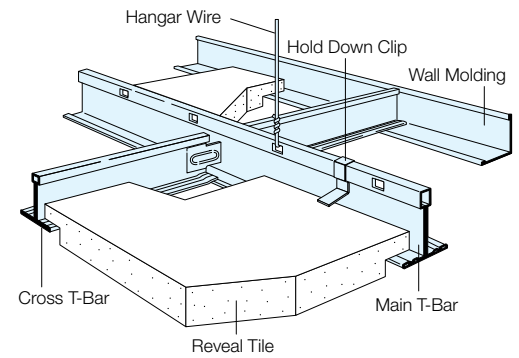
Others

### EXPOSED SYSTEM



Section perpendicular to Main T-Bar

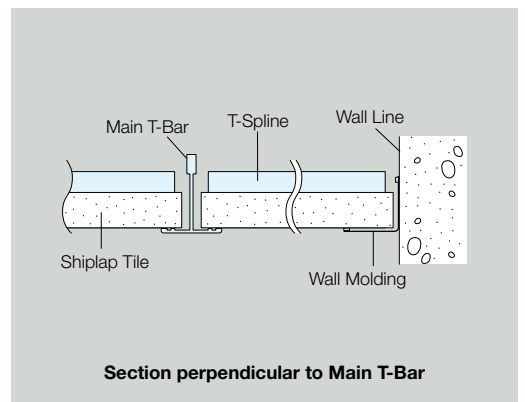
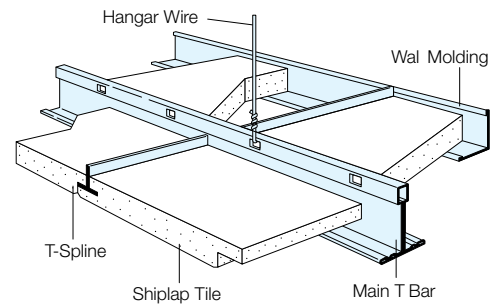
### REVEALED SYSTEM



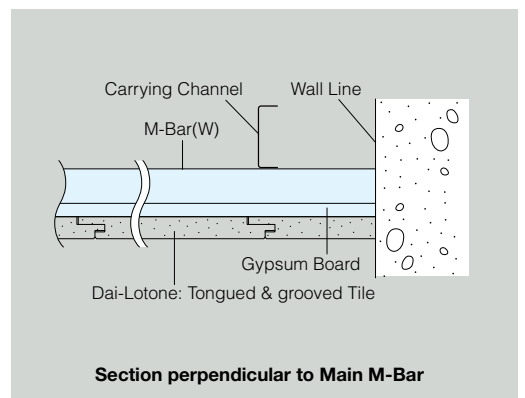
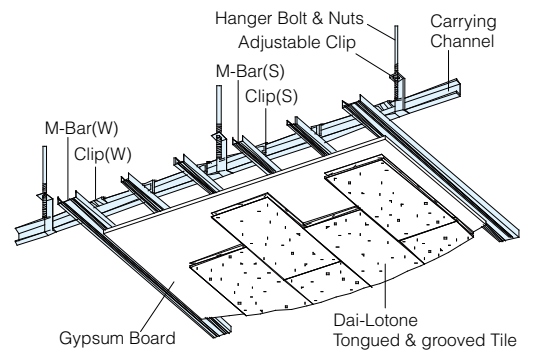
Section perpendicular to Main T-Bar



### SHIPLAP T-BAR SYSTEM



### Tongued & Grooved Tile





A wide range of Engineered Wood Flooring provides a beautiful, natural, authentic wood finish. The textured design is stunning and the WPC floor adds a luxurious, timeless look to your home.

## WPC Engineered Wood Flooring

Excellent stain resistant  
Surface sealed WPC floors are stain and water resistant, durable and easy to maintain.

In daily life, it is inevitable that floors get stained over time. A key point to keep floors clean for a long time is to choose a flooring material with excellent stain-proof and wipeable features.



## Pet Friendly Flooring

Excellent stain-, scratch- and slip-resistant floor surface are ideal for your pets.

Besides being stain and scratch-resistant, DAIKEN WPC flooring has a slip resistance property so as to ensure safety of the kids, elderly and pets.

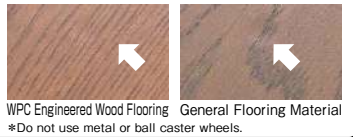


Strong and Durable WPC flooring prevent your floor get scratches easily.

Choosing a flooring material with sufficient hardness and strength is essential to prevent scratching when you drop something on it.

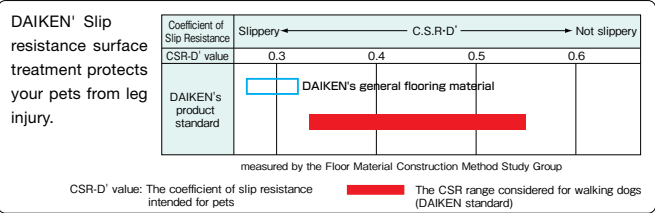
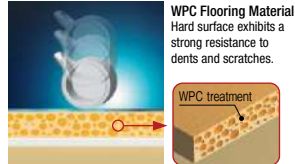


WPC flooring withstands the pressure of the wheels of a desk chair, or the impact of a dropped miniature car or building block.



### WPC Treatment

WPC uses a combination of wood and a plastic resin filling to achieve outstanding hardness and dent resistance. WPC also has a strong resistance to stains and water splashes. Therefore, WPC flooring is widely used for living rooms, bedrooms, children's rooms, and even kitchens and bathrooms.



## Eco Labels

**F☆☆☆☆** In July 2003, the revised Building Standard Law that provides regulations on sick building syndrome was enforced. In response to this, DAIKEN has been offering the highest F4-rank products whose installation floor area is not regulated by the revised law. Moreover, for the door frame, baseboard, parting edges, and other parts that are not subject to the formaldehyde emission regulations, F4-rank equivalent materials are used.

**4VOC Standards Compliant** "4VOC Standards Compliant" is a label based on the industry's voluntary labeling system with respect to the emission of 4VOC (toluene, xylene, ethyl benzene, and styrene) from building materials, operated by the Japan Construction Material & Housing Equipment Industries Federation and other industrial associations. Although building material manufacturers conventionally used their own standards to indicate this, implementing the industry's common standards\* helps customers choose products they need. From this reason, DAIKEN is continuing to register its products with the "4VOC Standards Compliant" labeling system one after another.  
\*In April 2008, standards with respect to the emission rate of VOC from building materials were established by the "Committee for standardization of emission rate of VOC from building products" (operated by Japan Testing Center for Construction Materials).

\* The performance values and the certification labels are based on the Japanese test method and standards.  
\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.  
\* The above flooring materials are not designed for use with shoes on.



# YP76

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material WPC (Natural Wood) Surface Finish Matte

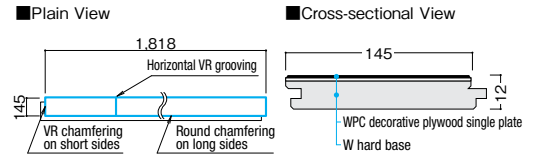
Beautiful and elegance Japanese Wood Surface with premium quality of WPC engineered flooring are resistant to dent, scratches, moisture and stains.

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



## Specifications

- Dimensions ▷ 12 mm thick, 145 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (1.58 m<sup>2</sup>) per case
- Package weight ▷ Approx. 14 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ WPC treatment, natural wood (cedar/horse chestnut) thick single plate (approx. 2.0 mm), UV antimicrobial wear-resistant matte coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides, horizontal VR grooving, round chamfering on long sides and VR chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



# YP74

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material WPC (Natural Wood) Surface Finish Matte

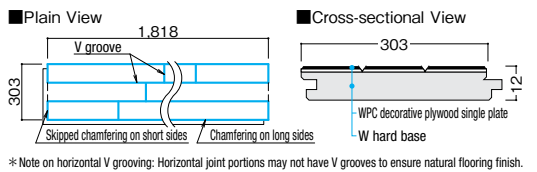
Unique and durable, WPC Flooring is a stunning engineered wood with a variety of natural veneer tones.

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



## Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ WPC treatment, natural wood thin single plate, horse chestnut/chestnut/cedar/ginkgo/Japanese wingnut/Japanese walnut straight/cross grain mixed random length board, UV antimicrobial wear-resistant natural coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides, vertical & horizontal VR grooving (3P), chamfering on long sides and skipped chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



# YP62

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material WPC (Natural Wood) Surface Finish Mirror

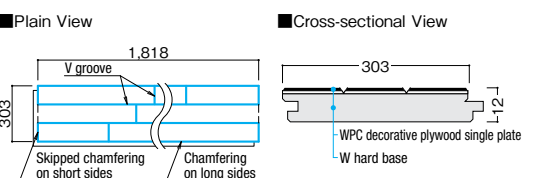
Natural Japanese Wood by Daiken has an abundance of casual beauty. With strong graining highlighted by shades of honey, tan and cream, this flooring has comfortable style and universal appeal.

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



## Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ WPC treatment, natural wood thin single plate, beech/ash straight/cross grain mixed random length board, UV antimicrobial wear-resistant superfine coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides, vertical & horizontal VR grooving (3P), chamfering on long sides and skipped chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



\* The performance values and the certification labels are based on the Japanese test method and standards.  
 \* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.  
 \* The above flooring materials are not designed for use with shoes on.

### YP68

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material WPC (Natural Wood) Surface Finish Matte

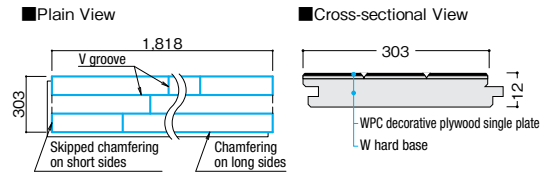
WPC treated surface protect that inhibits fading and scratching, giving your new floors a hearty resilience for years to come.

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



#### Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ WPC treatment, natural wood thin single plate, beech/ash straight/cross grain mixed random length board, UV antimicrobial wear-resistant matte coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides, vertical & horizontal VR grooving (3P), chamfering on long sides and skipped chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



### YP77

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material WPC (Natural Wood) Surface Finish Matte

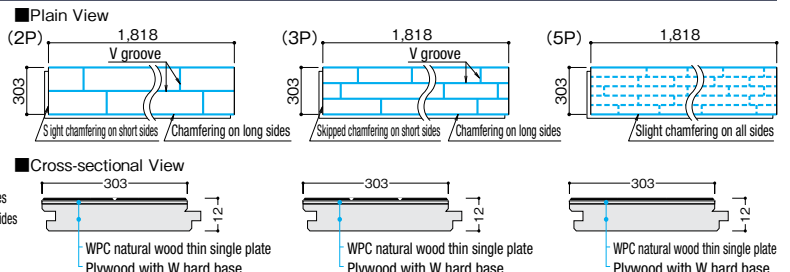
Impressive matt finish surface beautifully crafted through ultra, realistic designs and the latest in innovative technologies.

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



#### Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ WPC treatment, natural wood thin single plate, hard maple/cherry/walnut straight/cross grain mixed random length board, UV antimicrobial wear-resistant matte coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides  
 (2P) Vertical & horizontal V grooving, chamfering on long sides and slight chamfering on short sides  
 (3P) Vertical & horizontal V grooving, chamfering on long sides and skipped chamfering on short sides  
 (5P) No groove, slight chamfering on all sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



### YP75

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material WPC (Natural Wood) Surface Finish High Gloss

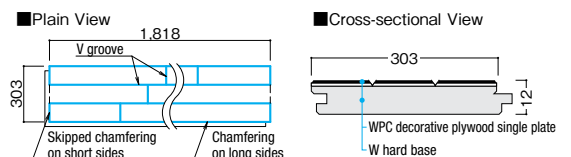
The glossy surface with characteristic graining and beautiful pattern sets it apart, bringing a wonderfully unique look to your home.

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



#### Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ (YC/MT/MF) WPC treatment, natural wood thin single plate, ash straight/cross grain mixed random length board, UV antimicrobial wear-resistant fine coating finish  
 (ML/MW) WPC treatment, natural wood thin single plate, beech straight/cross grain mixed random length board, UV antimicrobial wear-resistant fine coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides, vertical & horizontal VR grooving (3P), chamfering on long sides and skipped chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



\* The performance values and the certification labels are based on the Japanese test method and standards.  
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 \* The above flooring materials are not designed for use with shoes on.



# YE33

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material Decorative Sheet (Olefin) Surface Finish Mirror

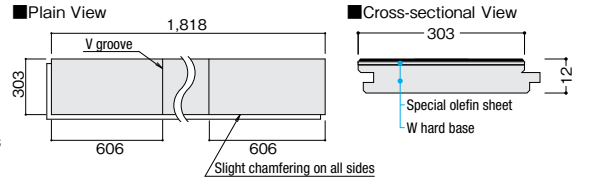
**Graphiarts Superfine Engineered wood flooring with a stunning mirror finish and a variety of marble texture.**

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



### Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ Special olefin sheet, UV antimicrobial wear-resistant superfine coating finish
- Edge processing ▷ Tongue-and-groove joint on all sides, 606-mm pitch horizontal V grooving, slight chamfering on all sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



# YN71

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material Decorative Sheet (Olefin) Surface Finish Matte

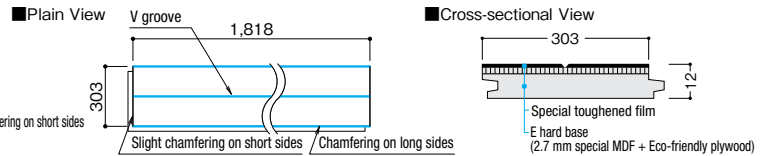
**The textures and tones of the world's most beautiful species converge in this collection of laminate flooring from Daiken: A rich array of styles designed to inspire your home spirit.**

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



### Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ 2.7 mm special MDF + Eco-friendly plywood
- Surface ▷ Special toughened film
- Edge processing ▷ Tongue-and-groove joint on all sides, vertical VR grooving, chamfering on long sides and slight chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



# YN77

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material Decorative Sheet (Olefin) Surface Finish Matte

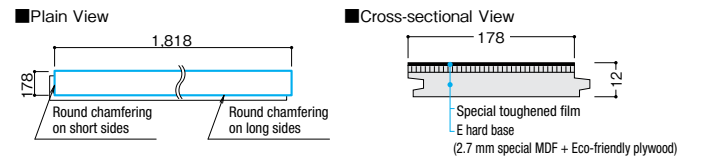
**The Special Proceed Laminate Flooring with Japanese wood surface accentuates the beauty and character of each individual plank. This collection features fantastic exotic wood species patterns, with deep, rich color and unique grain patterns.**

Labels Related to Public Certifications and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



### Specifications

- Dimensions ▷ 12 mm thick, 178 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 10 pieces (3.2 m<sup>2</sup>) per case
- Package weight ▷ Approx. 22 kg/package
- Base material ▷ 2.7 mm special MDF + Eco-friendly plywood
- Surface ▷ Special toughened film, lap finishing on all sides
- Edge processing ▷ Tongue-and-groove joint on all sides, round chamfering on all sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



# YE38

For Residential Use Underlayment System Slipper Uses 12 mm Thick Surface Material Decorative Sheet (Olefin) Surface Finish Matte

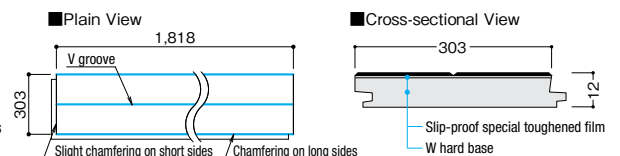
**YE38 is designed especially for families with pets, children and active lifestyles.**

Labels Related to Public Certification and Industrial Associations  
 F☆☆☆☆ 4VOC Standards Compliant



### Specifications

- Dimensions ▷ 12 mm thick, 303 x 1,818 mm
- Packing material, quantity ▷ Cardboard case, 6 pieces (3.3 m<sup>2</sup>) per case
- Package weight ▷ Approx. 30 kg/package
- Base material ▷ Plywood with W hard base
- Surface ▷ Slip-proof special toughened film
- Edge processing ▷ Tongue-and-groove joint on all sides, vertical VR grooving (2P), chamfering on long sides and slight chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



\* The performance values and the certification labels are based on the Japanese test method and standards.  
 \* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.  
 \* The above flooring materials are not designed for use with shoes on.

## Renewable floor

**Special made-to-order product** | An individual consultation is required before ordering this product. Please contact your local representative for details.

Partially replaceable

Dent and scratch proof

Wax free

Easy renovation of flooring is allowed for apartments and houses for rent, which subject to frequent moving in/out. The high maintainability of the product contributes to the running cost reduction.

### ■ Excellent scratch resistance and maintainability

#### Dent and scratch proof

- Resists dents caused by the weight of furniture.
- Resists scratches caused by dragged furniture or dropped small objects.

Comparison of scratches caused by dropping objects



Renewable floor



General floor

#### Easy care

- The special coating material "EB Sheet" resists stains.
- Wax free and easy to clean
- Resists discoloration and cracking caused by direct sunlight.

Stain resistance comparison



Renewable floor



General floor (ink stain remains)

### ■ Easy one-by-one board replacement



Attach a suction cup to the center of a board and pull it up.



When the center of the board is lifted up, insert your hand beneath it, and raise the short and groove side of the board.



Pull out the short and tongue side in a horizontal direction to remove the entire board.

- This product cannot be installed on concrete. Always install it on wooden bases such as plywood or particle boards.
- The overall softness of the floor is improved by the combination of the special adhesive (silicone-based)\* and soft resin mats used as the floor base material. Make sure to use the special adhesive\*.
- Easily flooring replacement is allowed from only one board.



\* Special adhesive (CBA91K011 (quantity: 12))



## Impact sound reduction

The combination of the resin mat for vibration suppression and plastic-foam shock absorber reduces impact sounds on lightweight floors. Clattering, high-pitched impact sound that is transferred to lower floors can be suppressed.

Reinforced-concrete structure: LL-50 level <sup>\*1</sup>

Wooden house: LL-55 level <sup>\*2</sup>

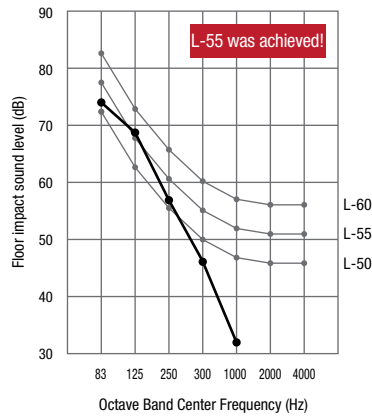
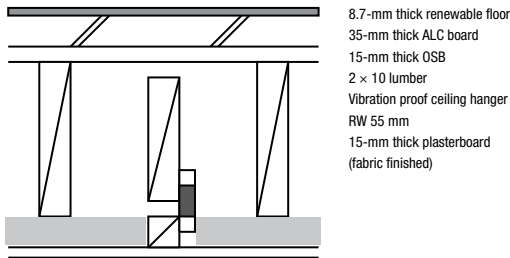
<sup>\*1</sup> The data was measured at the test site where the product was installed on a 150-mm concrete slab.

<sup>\*2</sup> The data was measured at the test site where 2 × 4 construction was implemented.

\* The measured data is the result of the test conducted at the test site and not guaranteed.

■ Structure used for measurement (2 × 4)

Lightweight floor impact sound isolation test (example)



<TL (LIGHT)>



<SH (HARVEST BIRCH)>



<SF (FANGO MAPLE)>



<SM (MIRAGE MAPLE)>

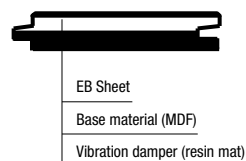
### Specifications

Dimensions	▷ For 1st floors: 5.7 mm thick, 150 mm wide × 910 mm long, For 2nd floors: 8.7 mm thick, 150 mm wide × 910 mm long,
Packing material, quantity	▷ Cardboard case, 24 pieces (3.276 m <sup>2</sup> ) per case
Package weight	▷ For 1st floors: Approx. 24 kg/package, For 2nd floors: Approx. 25 kg/package
Base material	▷ MDF, resin (polyvinyl chloride) mat
Front surface	▷ Olefin sheet (pre-coated)
Edge processing	▷ Tongue-and-groove joint and slight chamfering on all sides
Formaldehyde regulations	▷ F4-rank certificate of Minister
Special adhesive	▷ Silicone resin adhesive 760 ml/piece [sold separately] Cartridge type, F4-rank certificate of Japan Adhesive Industry Association

■ Cross-sectional View

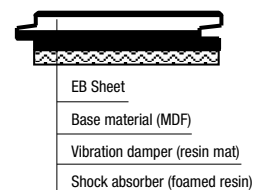
<General type>

Total thickness 5.7 mm



<Sound-proof type>

Total thickness 8.7 mm



(Note) During the use, up to 2.0-mm wide clearance might be generated between flooring boards. This is the property of the product to ensure the performance of renewability.

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\* The above flooring materials are not designed for use with shoes on.

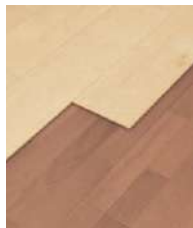
YX-169 Adhesive-type flooring for remodeling



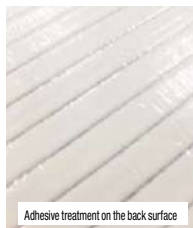
Before



After



Just put them on.



The back surface is adhesive-treated for secure fixing.

Easy installation just by putting  
Floor renovation can be completed  
in a short period of work.

Screw free, adhesives free. Installation is quiet and quick.

<p><b>1</b> Clean the surface of the installation surface to remove dust and particles.</p>	<p><b>2</b> Decide the layout of flooring.</p>	<p><b>3</b> Remove the clear film from the back of the board.</p>	<p><b>4</b> Put the boards on the installation surface and press them evenly with hand. (with the white adhesive face down)</p>	<p><b>5</b> When cutting this product:</p>
---	--	---	---	--

Enhanced easy-care features



Wax free

Waxing is not necessary for this easy-care product.



Dent and scratch proof

This product has a strong resistance to dents and scratches that can be caused when objects are dragged. This high resistance property allows the use of chairs with caster wheels and wheelchairs.



Scratch proof

The Scratch-Guard function is implemented.

\* The product in the above picture is different from the product described in this section.

\* The performance values and the certification labels are based on the Japanese test method and standards.  
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 \* The above flooring materials are not designed for use with shoes on.



This product is popular for its width and precious-wood design which come with five color options. Selection is possible according to the fixtures and furniture.



MH <ASH (Super pale)>



10 <BIRCH>



72 <WALNUT (Light)>



73 <WALNUT (Dark)>



13 <CHERRY>

**YX169-■■■**

\* The ■■■ in the product stock numbers represent the surface color and texture. When ordering, please use the alphanumeric letters to specify the product.

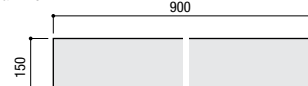
■ Meticulous Performance

Low VOC	Antibacterial	Slip resistant	Scratch resistant
Wheelchair OK	Durable against casters	Wax free	Stain resistant

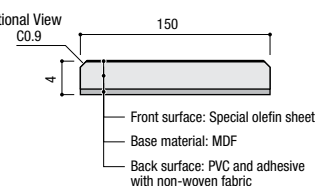
**Specifications**

- Dimensions ▷ 4 mm thick, 150 x 900 mm
- Packing material, quantity ▷ Cardboard case, 12 pieces (1.62 m<sup>2</sup>) per case
- Package weight ▷ Approx. 6 kg/package
- Base material ▷ MDF
- Front surface ▷ Special olefin sheet
- Back surface ▷ PVC sheet and adhesive with non-woven fabric
- Edge processing ▷ Cutting off and chamfering on all sides
- Formaldehyde regulations ▷ F4-rank according to Labeling Guidelines for Housing Performance

■ Plain View



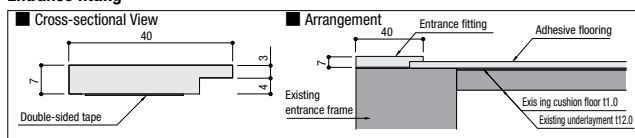
■ Cross-sectional View



**Fittings**

**MDF type**

**Entrance fitting**



**1,950 mm type: 40 × 1,950 mm (1 piece per package), YXZ018-■■■**

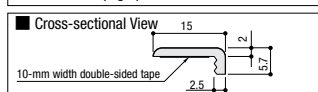
**Color and texture variation**



MH <ASH (Super pale)> 10 <BIRCH> 72 <WALNUT (Light)> 73 <WALNUT (Dark)> 13 <CHERRY>

**Resin type**

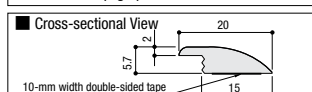
**Wall parting**



**1,950 mm type: 15 × 1,950 mm (2 pieces per package)**

**YR0321-■■■**

**Step parting**



**1,950 mm type: 20 × 1,950 mm (2 pieces per package)**

**YR0323-■■■**

**Specifications**

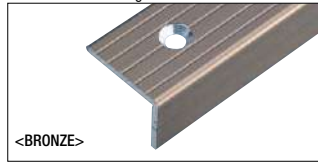
- Dimensions ▷ (Entrance fitting) 7 mm thick, 40 × 1,950 mm (Wall parting) 5.7 mm thick, 15 × 1,950 mm, (Step parting) 5.7 mm thick, 20 × 1,950 mm
- Packing material, quantity ▷ (Entrance fitting) 1 piece/package (Wall parting) 2 pieces/package, (Step parting) 2 pieces/package
- Package weight ▷ (Entrance fitting) Approx. 1.0 kg/package (Wall parting and Step parting) Approx. 0.8 kg/package
- Base material ▷ (Entrance fitting) MDF (Wall parting and Step parting) ABS resin (with wood meal)
- Front surface ▷ (Entrance fitting) Special olefin sheet
- Back surface ▷ Special double-sided tape attached
- Formaldehyde regulations ▷ Unregulated parts

\* Special adhesive for the wall or step parting included in a package

\* The ■■■ in the product stock numbers represent the surface color and texture. When ordering, please use the above alphanumeric letters to specify the product.

**Aluminum type**

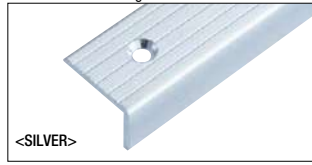
**Aluminum-type Step parting 3T for 4 mm thick flooring**



**1,950 mm type: 22 × 1,950 mm (2 pieces per package)**

**YR0623-B**

**Aluminum-type Step parting 3T for 4 mm thick flooring**



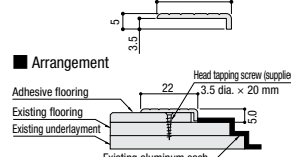
**1,950 mm type: 22 × 1,950 mm (2 pieces per package)**

**YR0623-ZS**

**Specifications**

- Dimensions ▷ 1.5 mm thickness, 22 × 1,950 mm
- Packing material, quantity ▷ 2 pieces per package (Double-sided positioning tape and screws included in a package)
- Package weight ▷ Approx. 0.7 kg/package
- Base material ▷ Aluminum
- Front surface ▷ (Anodized aluminum finish)
- Formaldehyde regulations ▷ Unregulated parts

■ Cross-sectional View



\* The performance values and the certification labels are based on the Japanese test method and standards.  
 \* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.  
 \* The above flooring materials are not designed for use with shoes on.

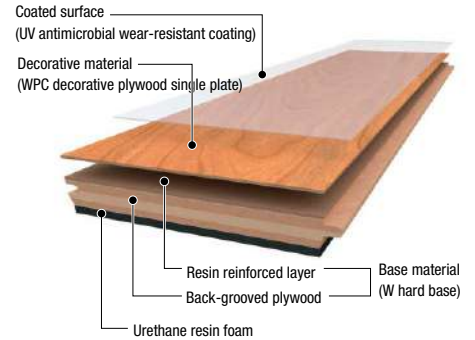
YK95-DW Shoes-on flooring Order Public and commercial facilities Direct Fix Underlayment system Shoes-on 15 mm thick 13.5 mm thick 12 mm thick Surface Material WPC (Natural Wood) Surface Finish Matte

## The new standard for shoes-on flooring

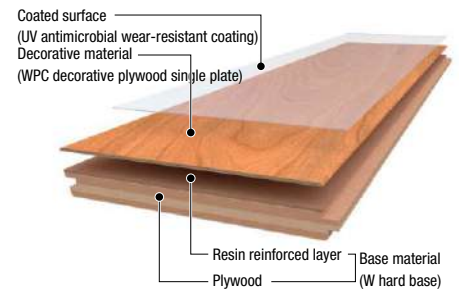
Official Certification and Industry Group-related Declarations  
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### Direct Fix 15 mm thick or 13.5 mm thick



### Underlayment system 12 mm thick



YK95-DWK01 (Underlayment system, 12 mm thick)



YK95-DWK05 (Underlayment system, 12 mm thick)



YK95-DWK21 (Underlayment system, 12 mm thick)



YK95-DWK39 (Underlayment system, 12 mm thick)



YK95-DWK50 (Underlayment system, 12 mm thick)



YK95-DWK13 (Underlayment system, 12 mm thick)



YK95-DWK70 (Underlayment system, 12 mm thick)

## Japanese wood plywood



YK95-DWKNS (Underlayment system, 12 mm thick)



YK95-DWKNK (Underlayment system, 12 mm thick)

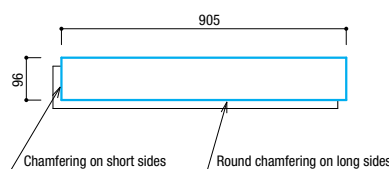


YK95-DWKHK (Underlayment system, 12 mm thick)

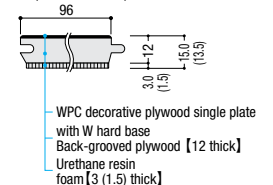
### Specifications (Direct fix)

- Dimensions ▷ 15 mm thick, 96 × 905 mm, or 13.5 mm thick, 96 × 905 mm
- Packing material, quantity ▷ Cardboard case, 36 pieces (3.12 m<sup>2</sup>) per case
- Package weight ▷ 15 mm thick: Approx. 28 kg/package, 13.5 mm thick: Approx. 28 kg/package
- Base material ▷ Back-grooved plywood with W hard base
- Front surface ▷ WPC treatment, natural wood thin single plate, oak/beech/ash/hard maple/cherry/walnut/cedar/chestnut/Japanese cypress straight/cross grain mixed board, UV antimicrobial wear-resistant finish
- Back surface ▷ Double-side flat urethane resin foam (For 15-mm thick product: 3 mm thick, for 13.5 mm thick product: 1.5 mm thick)
- Edge processing ▷ Tongue-and-groove joint on all sides, round chamfering on long sides and chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)

#### Plain View



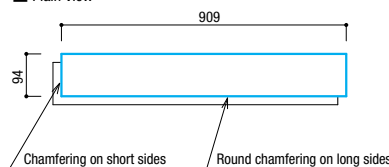
#### Cross-sectional View 15 mm thick (13.5 mm thick)



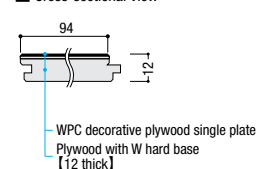
### Specifications (Underlayment system)

- Dimensions ▷ 12 mm thick, 94 × 909 mm
- Packing material, quantity ▷ Cardboard case, 36 pieces (3.07 m<sup>2</sup>) per case
- Package weight ▷ Approx. 28 kg/package
- Base material ▷ Plywood with W hard base
- Front surface ▷ WPC treatment, natural wood thin single plate, oak/beech/ash/hard maple/cherry/walnut/cedar/chestnut/Japanese cypress straight/cross grain mixed board, UV antimicrobial wear-resistant finish
- Edge processing ▷ Tongue-and-groove joint on all sides, round chamfering on long sides and chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)

#### Plain View



#### Cross-sectional View



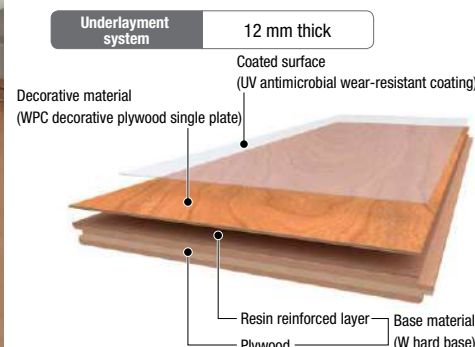
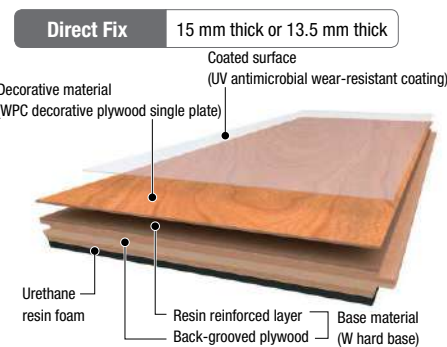
\* The performance values and the certification labels are based on the Japanese test method and standards.  
 \* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.  
 \* The above flooring materials are not designed for use with shoes on.



## Distinctive wide boards create a high-quality space.



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YK95-FW01 (Direct fix, 15 mm thick)  
 YK95-FWT01 (Direct fix, 13.5 mm thick)  
 YK95-FWK01 (Underlayment system, 12 mm thick)



YK95-FW21 (Direct fix, 15 mm thick)  
 YK95-FWT21 (Direct fix, 13.5 mm thick)  
 YK95-FWK21 (Underlayment system, 12 mm thick)



YK95-FW39 (Direct fix, 15 mm thick)  
 YK95-FWT39 (Direct fix, 13.5 mm thick)  
 YK95-FWK39 (Underlayment system, 12 mm thick)



YK95-FW50 (Direct fix, 15 mm thick)  
 YK95-FWT50 (Direct fix, 13.5 mm thick)  
 YK95-FWK50 (Underlayment system, 12 mm thick)



YK95-FW13 (Direct fix, 15 mm thick)  
 YK95-FWT13 (Direct fix, 13.5 mm thick)  
 YK95-FWK13 (Underlayment system, 12 mm thick)



YK95-FW70 (Direct fix, 15 mm thick)  
 YK95-FWT70 (Direct fix, 13.5 mm thick)  
 YK95-FWK70 (Underlayment system, 12 mm thick)

### Japanese wood plywood



YK95-FWNS (Direct fix, 15 mm thick)  
 YK95-FWTNS (Direct fix, 13.5 mm thick)  
 YK95-FWKNS (Underlayment system, 12 mm thick)



YK95-FWNK (Direct fix, 15 mm thick)  
 YK95-FWTNK (Direct fix, 13.5 mm thick)  
 YK95-FWKNK (Underlayment system, 12 mm thick)

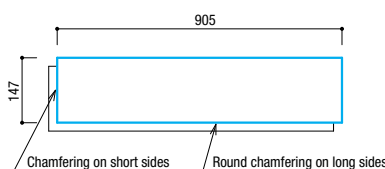


YK95-FWHK (Direct fix, 15 mm thick)  
 YK95-FWTHK (Direct fix, 13.5 mm thick)  
 YK95-FWKHK (Underlayment system, 12 mm thick)

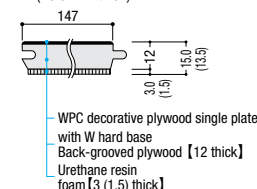
#### Specifications (Direct fix)

- Dimensions ▷ 15 mm thick, 147 × 905 mm, or 13.5 mm thick, 147 × 905 mm
- Packing material, quantity ▷ Cardboard case, 24 pieces (3.19 m<sup>2</sup>) per case
- Package weight ▷ 15 mm thick: Approx. 28 kg/package, 13.5 mm thick: Approx. 28 kg/package
- Base material ▷ Back-grooved plywood with W hard base
- Front surface ▷ WPC treatment, natural wood thin single plate, oak/beech/ash/hard maple/cherry/walnut/cedar/chestnut/Japanese cypress straight/cross grain mixed board, UV antimicrobial wear-resistant finish
- Back surface ▷ Double-side flat urethane resin foam (For 15-mm thick product: 3 mm thick, for 13.5 mm thick product: 1.5 mm thick)
- Edge processing ▷ Tongue-and-groove joint on a sides, round chamfering on long sides and chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)

#### Plain View



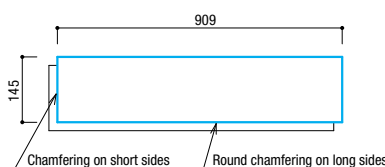
#### Cross-sectional View 15 mm thick (13.5 mm thick)



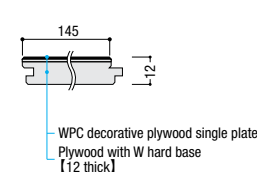
#### Specifications (Underlayment system)

- Dimensions ▷ 12 mm thick, 145 × 909 mm
- Packing material, quantity ▷ Cardboard case, 24 pieces (3.16 m<sup>2</sup>) per case
- Package weight ▷ Approx. 28 kg/package
- Base material ▷ Plywood with W hard base
- Front surface ▷ WPC treatment, natural wood thin single plate, oak/beech/ash/hard maple/cherry/walnut/cedar/chestnut/Japanese cypress straight/cross grain mixed board, UV antimicrobial wear-resistant finish
- Edge processing ▷ Tongue-and-groove joint on a sides, round chamfering on long sides and chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)

#### Plain View



#### Cross-sectional View



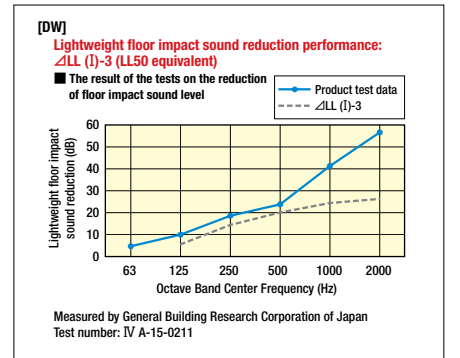
\* The performance values and the certification labels are based on the Japanese test method and standards.  
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 \* The above flooring materials are not designed for use with shoes on.

## YK97 Shoes-on flooring Soundproof Order

Public and commercial facilities Direct Fix Shoes-on 15.5 mm thick Surface Material WPC (Natural Wood) Surface Finish Matte

This high-spec shoes-on flooring provides both quietness and beauty.

Official Certification and Industry Group-related Declarations  
F☆☆☆☆ 4VOC Standards Compliant



YK97-DW01 (96 mm width)  
 YK97-FW01 (147 mm width)



YK97-DW05 (96 mm width)



YK97-DW21 (96 mm width)  
 YK97-FW21 (147 mm width)



YK97-DW39 (96 mm width)  
 YK97-FW39 (147 mm width)



YK97-DW50 (96 mm width)  
 YK97-FW50 (147 mm width)



YK97-DW13 (96 mm width)  
 YK97-FW13 (147 mm width)



YK97-DW70 (96 mm width)  
 YK97-FW70 (147 mm width)

### Japanese wood plywood



YK97-DWNS (96 mm width)  
 YK97-FWNS (147 mm width)



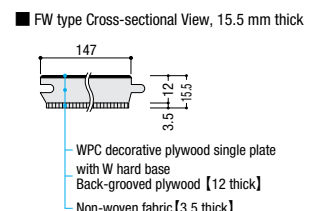
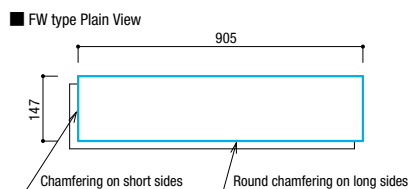
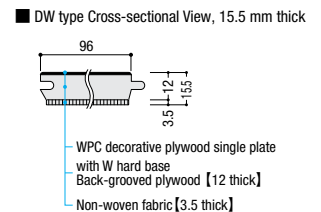
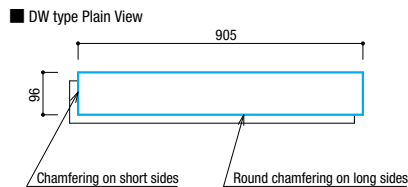
YK97-DWNK (96 mm width)  
 YK97-FWNK (147 mm width)



YK97-DWHK (96 mm width)  
 YK97-FWHK (147 mm width)

### Specifications

- Dimensions ▷ [DW type] 15.5 mm thick, 96 × 905 mm  
 [FW type] 15.5 mm thick, 147 × 905 mm
- Packing material, quantity ▷ [DW type] Cardboard case, 36 pieces (3.12 m<sup>2</sup>) per case  
 [FW type] Cardboard case, 24 pieces (3.19 m<sup>2</sup>) per case
- Package weight ▷ Approx. 28 kg/package
- Base material ▷ Back-grooved plywood with W hard base
- Front surface ▷ WPC treatment, natural wood thin single plate, oak/beech/ash/hard maple/cherry/walnut/cedar/chestnut/Japanese cypress straight/cross grain mixed board, UV antimicrobial wear-resistant finish
- Back surface ▷ Non-woven fabric (3.5 mm thick)
- Edge processing ▷ Tongue-and-groove joint on all sides, round chamfering on long sides and chamfering on short sides
- Formaldehyde regulations ▷ F4-rank JAS (Composite flooring)



\* The performance values and the certification labels are based on the Japanese test method and standards.  
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 \* The above flooring materials are not designed for use with shoes on.

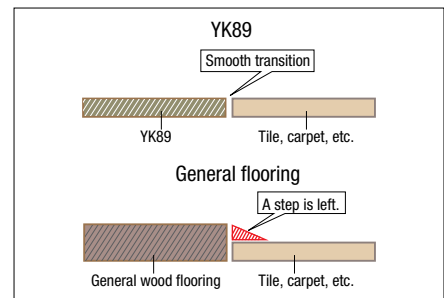
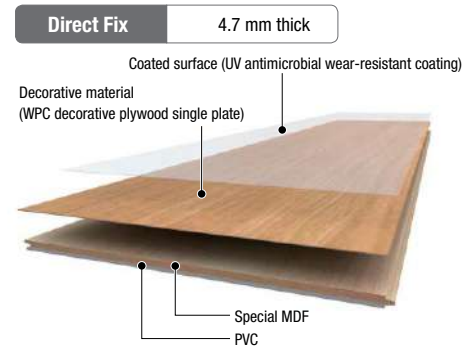


# YK89 Shoes-on flooring

Public and commercial facilities	Direct Fix	Shoes-on	4.7 mm thick	Surface Material WPC (Natural Wood)	Surface Finish Matte
----------------------------------	------------	----------	--------------	--	-------------------------

The total thickness is only 4.7 mm.  
This shoes-on flooring minimizes height differences between the product and other materials such as tiles and carpets.

Official Certification and Industry Group-related Declarations  
 F☆☆☆☆☆  
 4VOC Standards Compliant



Steps between different flooring materials are minimized to achieve a neat design.



YK89-82-M (Matte)



YK89-30-M (Matte)



YK89-83-M (Matte)

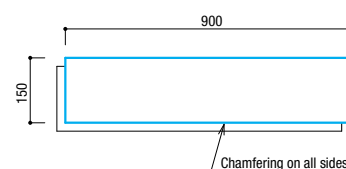


YK89-17-M (Matte)

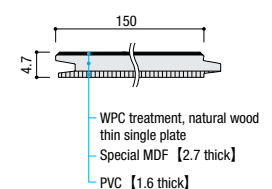
## Specifications

Dimensions	▷ 4.7 mm thick, 150 × 900 mm
Packing material, quantity	▷ Cardboard case, 24 pieces (3.24 m <sup>2</sup> ) per case
Package weight	▷ Approx. 22 kg/package
Base material	▷ Special MDF
Front surface	▷ WPC treatment, natural wood thin single plate, oak/birch, UV antimicrobial wear-resistant coating
Back surface	▷ PVC (1.6 mm thick)
Edge processing	▷ Tongue-and-groove joint and chamfering on all sides
Formaldehyde regulations	▷ F4-rank JAS (Composite flooring)

### Plain View



### Cross-sectional View



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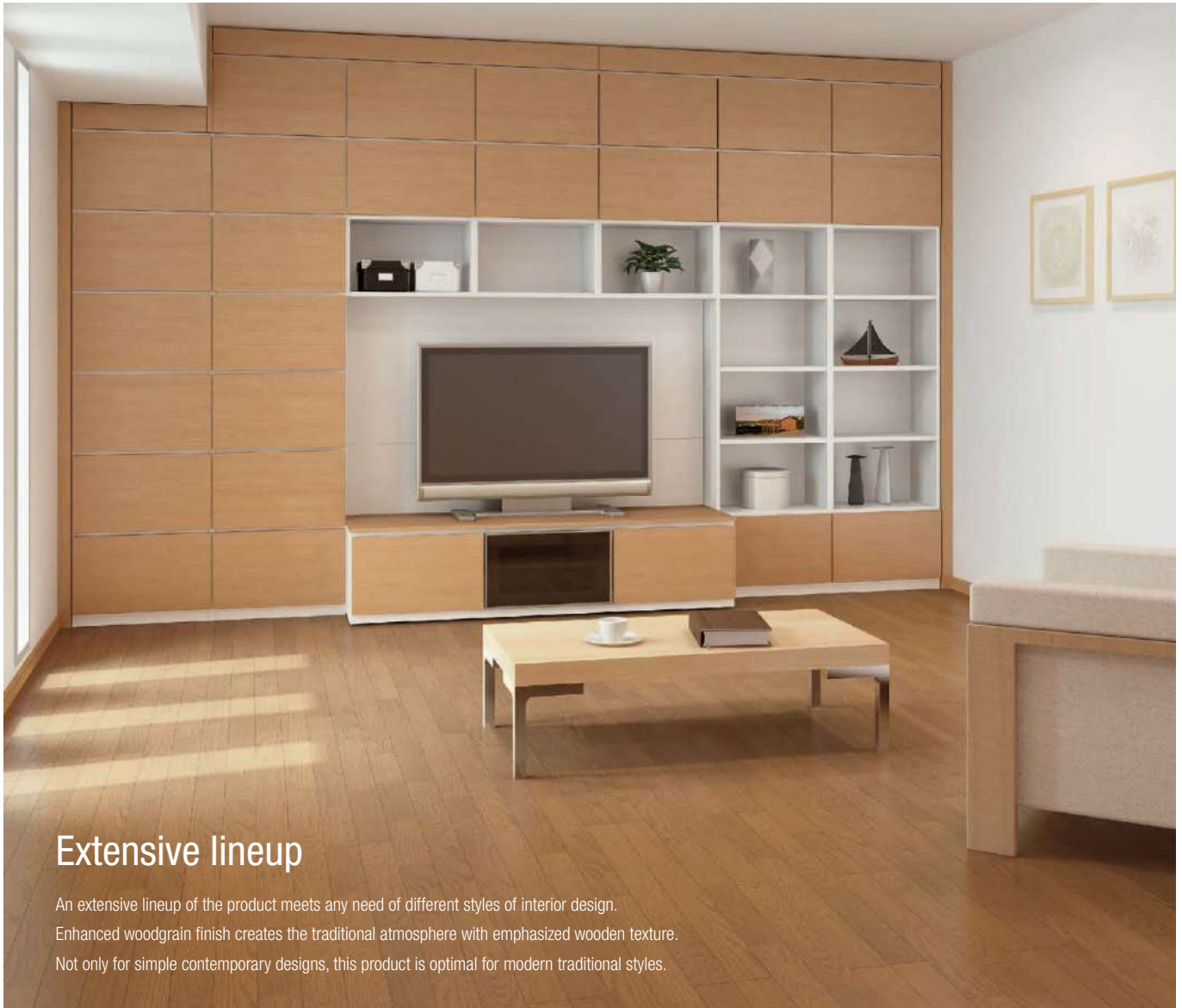
### Tales of Forests

Residential Use

Slipper Uses

12 mm thick

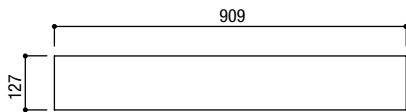
Surface Material  
Natural Wood



## Extensive lineup

An extensive lineup of the product meets any need of different styles of interior design.  
Enhanced woodgrain finish creates the traditional atmosphere with emphasized wooden texture.  
Not only for simple contemporary designs, this product is optimal for modern traditional styles.

#### Plain View



Size: 12 mm thick, 127 × 909 mm



YD18-BR



YD18-MT



YD23-GR (Grain enhancement)



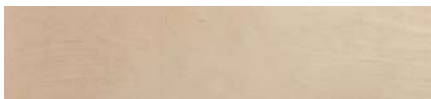
YD18-BV



YD18-TE



YD23-MT (Grain enhancement)



YD18-CL



YD18-WU



YD23-TE (Grain enhancement)



YD18-GR



YD23-BV (Grain enhancement)



YD23-WU (Grain enhancement)





# Tatami Facing



MDF

Ceiling

Flooring

Interior Door

Cabinet

Wall

Building Acoustics

Others

\* The performance values and the certification labels are based on the Japanese test method and standards.  
\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

Tatami facing featuring versatile weave patterns and colors

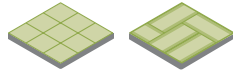
### Tatami Facing

From a luxurious type to versatile type, DAIKEN's tatami facing offers various types of patterns.

The product can be used for a wide range of locations such as houses, apartments, hotels and restaurants.

MDF  
Ceiling  
Floorings  
Interior Door  
Cabinet  
Wall  
Building Acoustics  
Others

#### <Seiryu [Meseki (fine) weave]>

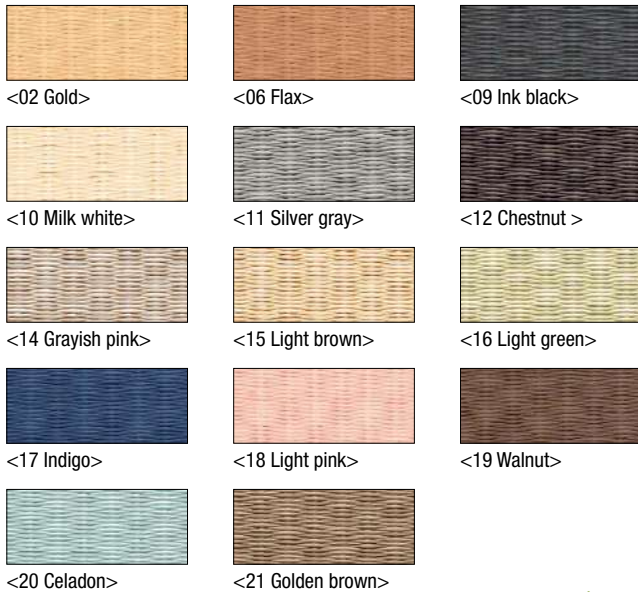


Suitable for housing, hotels Japanese-style inns, restaurants and tearooms which may be crowded with people. A conventional Japanese room will be transformed into a modern space. This pattern is suitable for both edging and no-edging type tatami.

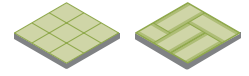


<01 Silver white>

#### Colored products



#### <Seiryu Stripe [Meseki (fine) weave]>



The distinctive, shaded two-tone color of this tatami facing is ideal for modern, luxurious spaces.

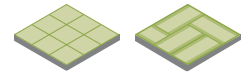


<01 Chestnut x Walnut>

<02 Grayish pink x Light brown>

<03 Milk white x Light brown>

#### <Seiryu Cocktail Fit [Meseki (fine) weave]>



Eight colors that fit in with wood flooring are available. This tatami facing is optimal for tatami corners in the living room.



<09 Gold x Milk white>

<13 Flax x Light brown>

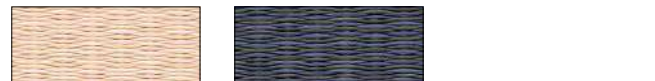
<15 Milk white x Light brown>



<17 Light brown x Grayish pink>

<21 Silver white x Light green>

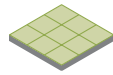
<22 Chestnut x Walnut>



<23 Light brown x Light pink>

<24 Chestnut x Indigo>

#### <Ayanami (Wave) [Middle twill weave]>



This twill-woven facing is designed for no edge tatami mat. The product features a novel diagonal pattern.



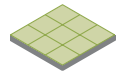
<01 Silver white>



<02 Gold>

<03 Gold and silver>

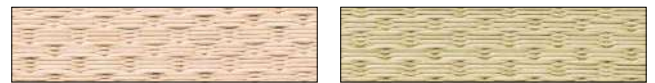
#### <Sazanami (Ripple)>



With its rug-like appearance, this tatami facing fits in with not only Japanese-style rooms but also Western-style interiors.



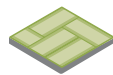
<14 Grayish pink>



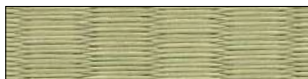
<15 Light brown>

<16 Light green>

#### <Ginpaku (Silver white) [Hikime (1.5 cm wide) weave]>

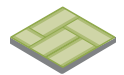


This tatami facing has a refreshing silver-white color. It is suitable for various buildings from general housing and apartments to restaurants.



<01 Silver white>

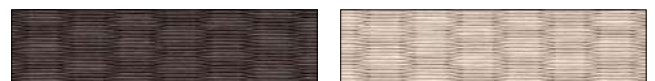
#### <Ginpaku products [Hikime (1.5 cm wide) weave]>



Suitable for a wide range of applications including residential and commercial use.



<10 Milk white>



<12 Chestnut>

<14 Grayish pink>



<15 Light brown>

<19 Walnut>

#### <Shoryu\* For alcove only>

This is a tatami facing dedicated for Japanese alcove. It creates sophisticated traditional beauty and luxuriousness.



<Ome (wide)>

<Kome (narrow)>

#### Description of marks



No edging type

The product is suitable for tatami mats with no-edging.



Edging type

The product is suitable for tatami mats with edging.

\* Both marks are shown for products which are suitable for tatami mats with both edging and no edging.

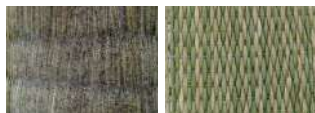


### Resistant to Mold

DAIKEN's Tatami facing products exhibit excellent antimold performance even under severe conditions, allowing less mold growth than general rush-based Tatami facing.

#### Mold Resistance Test Results

● Tested by cultivating mold for 28 days at a temperature of 28°C and a humidity of 97% (Photos showing mold grown after 14 days)



Rush-based Tatami Facing DAIKEN's Tatami Facing

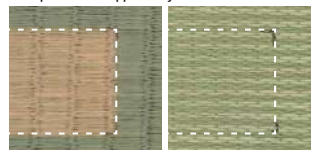


### Resistant to Sunburn and Color Fading for Long-lasting Beauty

Fading caused by UV radiation is a major concern for Tatami facing. DAIKEN's Tatami facing products are almost free of fading, ensuring a long-lasting beauty.

#### Light Resistance Test Results

● Tested by exposing the specimen to UV radiation equivalent to approx. 2 years



Rush-based Tatami Facing DAIKEN's Tatami Facing

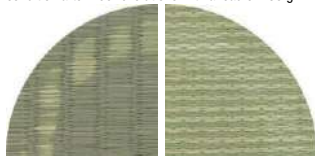


### Approx. 3 Times the Resistant of General Rush-based Tatami Facing

It's always a concern for families with children and pets to protect Tatami mats from damage. DAIKEN's Tatami facing products have 3 times the resistance of general rush-based Tatami facing, ensuring a long-lasting beauty.

#### Wear Resistant Test Results

Tested using abrasive paper #180 to check the wear condition after 100 revolutions with a load of 250 g x 2



Rush-based Tatami Facing DAIKEN's Tatami Facing



### Stain Resistant Tatami Mat for Ease of Cleaning

DAIKEN's resin-coated Tatami mats have excellent water-repellency, allowing you to clean drink spills just by wiping them away.



## YQ51

**<01 GREEN>**  
YQ5101-2 (2 pieces per package)  
YQ5101-3 (3 pieces per package)

**<02 YELLOW>**  
YQ5102-2 (2 pieces per package)  
YQ5102-3 (3 pieces per package)

**<03 IVORY>**  
YQ5103-2 (2 pieces per package)  
YQ5103-3 (3 pieces per package)

**<04 BROWN>**  
YQ5104-2 (2 pieces per package)  
YQ5104-3 (3 pieces per package)

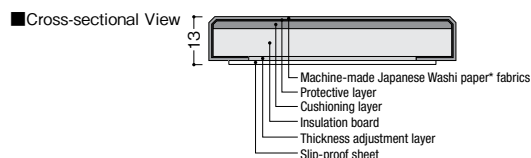
**<05 BROWN>**  
YQ5105-2 (2 pieces per package)  
YQ5105-3 (3 pieces per package)

**<06 DARK>**  
YQ5106-2 (2 pieces per package)  
YQ5106-3 (3 pieces per package)

### Specifications

Dimensions	▷ 13 mm thick, 820 x 820 mm	Front surface	▷ Machine-made Japanese Washi paper* fabrics (DAIKEN's Tatami facing)
Packing material, quantity	▷ Cardboard case (2 or 3 pieces per package)	Back surface	▷ Slip-proof sheet
Weight	▷ Approx. 3 kg per piece	Formaldehyde regulations	▷ Labeling exempted product
Base material	▷ Insulation board		

\* Machine-made Japanese Washi paper is used. This is not hand-made Washi paper made of hybrid mulberry, oriental paperbush, etc.



\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.



Daiken Engineered Doors improve your quality of life.

### Short-stroke Lever Handle



Gentle touch lever handle allows you to open and close the door even when holding laundry or shopping bags in your arms.

Even when your hands are full with shopping bags or laundry, gently touching this handle opens and closes the door for you. This is an easy-to-use lever handle suitable for the elderly and those with weak physical strength.



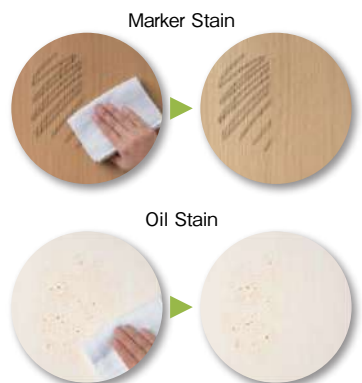
### Easy-to-clean Surface Material



Improved stain resistance by use of a wipeable surface sheet\* enables easy removal of marker stains.

DAIKEN's doors feature easy removal of difficult-to-remove stains such as marker scribbles by children and oil stains, saving the workload of cleaning.

\* Adopted as the surface sheet for the door, frame, and parting edges of the HP/HB series.





## Hanging Door System



**Top rail hanging doors fulfill the need for a flat, large room.**

Hanging doors make your daily cleaning work easy because of no floor rails subject to dust accumulation. Moreover, their stepless floor surface is friendly to everyone because of ease of passage for wheelchair users and a low risk of stumbling for toddlers and the elderly.



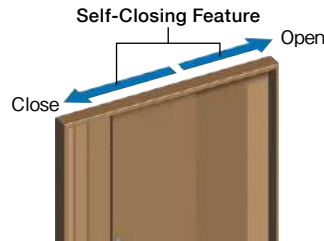
\* 3-leaf double, 2-leaf single, and 3-leaf single sliding door systems require directly installed floor rails.

## Soft closing function for Sliding/Hanging Door System



**Soft closing mechanism allows door to move slowly when closing the sliding doors suppresses the risk of door rebounding, slamming sound, and finger pinching.**

DAIKEN's sliding/hanging doors have the Easy Close feature, which works to slow down the door just before it completely closes to suppress the risk of door rebounding, slamming sound, and finger pinching, even if you slammed the door shut carelessly.



**Self-Closing Feature**  
When the door enters the working range of the Self-Closing feature, it is pulled in slowly, held firmly, and then closed.

## 2-leaf Interlocking Sliding Door System



**Wider door access with slight door movement in the room.**

Our 2-leaf interlocking sliding doors provide a wider passage way even in narrow room arrangement because the first leaf moves in conjunction with the second leaf. They are ideal for both wheelchair users and carers because of ease of travel between rooms.



## Pet Door System



**Pet doors have a special gate for pets, allowing cats and dogs to enter and exit the house as they please.**

Pet owners can be more kind to their pets and feel more relaxed - knowing their animals can safely come and go as they please.



\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

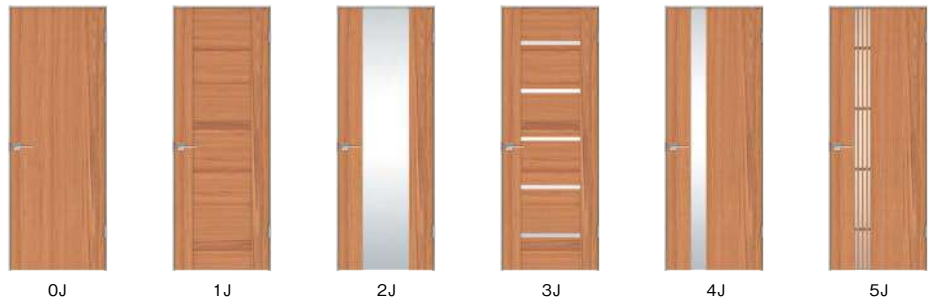
### JP Series

Unique design delivering a new sense of beauty of Wa, combined with premium ease of use, creates a high-quality living space.

#### Color and Texture Variation



\* For the frame and parting edges, the color and texture of TH <MONO WHITE> for the HP series is available.



#### Common Specifications for Swing/Sliding/Hanging Doors (Door)

- Base material ▷ MDF
- Surface ▷ Natural wood plywood coating finish
- Structure ▷ Flush construction (partially solid core)
- Formaldehyde regulations ▷ F4-rank according to Labeling Guidelines for Housing Components

#### Common Specifications for Swing/Sliding/Hanging Doors (Frame and Parting Edges)

- Base material ▷ MDF (Plywood or MDF for frame core material)
  - Surface ▷ Olefin sheet lamination
  - Formaldehyde regulations ▷ Unregulated parts\*
- \* Although these parts are not regulated according to Article 20-7 of the Enforcement Ordinance of Construction Standard Law, either some labeling exempted material or JIS/JAS F4-rank material certified by the Minister of Land, Infrastructure, Transport and Tourism is used for interior finishing.

### HP Series

#### Precious Wood Texture

Six popular texture patterns for interior use are selected. Each pattern is a realistic representation of color, grain, texture of the corresponding precious wood.

#### Color and Texture Variation



#### Glossy Wood Texture

Glossy texture delivers elegance to your interior. Mirror finished lineup now includes additional grain texture variations.

#### Color and Texture Variation



#### Leather Texture

Faithful representation of natural leather texture satisfies the passion of mature adults for quality.

#### Color and Texture Variation



\* For the frame and parting edges, the color and texture variations of TH <MONO WHITE> for the HP series are available.  
 \* For OS, 1S, 2S, 3S, 4S, and 5S, only precious wood texture variations are available.

#### Specifications (Door)

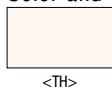
- Base material ▷ MDF
- Surface ▷ Olefin/polysand sheet/mirror surface coating
- Structure ▷ Flush construction
- Formaldehyde regulations ▷ F4-rank according to Labeling Guidelines for Housing Components

**What's polysand sheet?**  
 Polysand sheet is a multi-layer sheet with a sandwiched moisture-proof polyethylene resin layer and used as a surface material for our door products. It effectively reduces the warping of a door by suppressing the moisture transfer in and out of the wood fitting that occurs as the indoor temperature and humidity change.

#### Matt Texture

Dull and soft monotone matt texture delivers a sophisticated and prestigious atmosphere.

#### Color and Texture Variation



#### Specifications (Frame and Parting Edges)

- Base material ▷ MDF (Plywood or MDF for frame core material)
  - Surface ▷ Olefin sheet lamination
  - Formaldehyde regulations ▷ Unregulated parts\*
- \* Although these parts are not regulated according to Article 20-7 of the Enforcement Ordinance of Construction Standard Law, either some labeling exempted material or JIS/JAS F4-rank material certified by the Minister of Land, Infrastructure, Transport and Tourism is used for interior finishing.



# HB Series

A wide variety of designs and ultimate ease of use fulfill the demand for an ideal door for the whole family.

## Color and Texture Variation



\*For MK, all products are produced on order.



### Specifications (Door)

Base material	▷ MDF
Surface	▷ Polysand sheet lamination
Structure	▷ Flush construction (partially solid core)
Formaldehyde regulations	▷ F4-rank according to Labeling Guidelines for Housing Components

**What's polysand sheet?**  
Polysand sheet is a multi-layer sheet with a sandwiched moisture-proof polyethylene resin layer and used as a surface material for our door products. It effectively reduces the warping of a door by suppressing the moisture transfer in and out of the wood fitting that occurs as the indoor temperature and humidity change.

### Specifications (Frame and Parting Edges)

Base material	▷ MDF (Plywood or MDF for frame core material)
Surface	▷ Olefin sheet lamination
Formaldehyde regulations	▷ Unregulated parts*

\*Although these parts are not regulated according to Article 20-7 of the Enforcement Ordinance of Construction Standard Law, either some labeling exempted material or JIS/JAS F4-rank material certified by the Minister of Land, Infrastructure, Transport and Tourism is used for interior finishing.

\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

## Standard Series



<WH> <BD> <WU> <BR> <TE> <BH> <BV>

### Specifications (Door)

Base material ▷ MDF  
 Front surface ▷ PVC sheet lamination  
 Structure ▷ Flush construction/Wood framing

### Specifications (Frame and Parting Edges)

Base material ▷ MDF  
 Front surface ▷ PVC sheet lamination



W1 W2 W5 W6 W7 W8 W9



41 42 44F 45F 45 46 46F



48 55 56 D3 D4 D5 D6



U3 D7 D8 K1 K2

## RM Series



<KD> <MH> <MT>

### Specifications (Door)

Base material ▷ MDF  
 Front surface ▷ Olefin sheet lamination  
 Structure ▷ Flush construction/Wood framing

### Specifications (Frame and Parting Edges)

Base material ▷ MDF  
 Front surface ▷ Olefin sheet lamination



W5 W6 1B 2B 3B 4B



### Pet door

A small wicket door for pets is built in this door. This pet door allows animals to enter and exit by themselves.

Pets can safely come and go even when the main door is closed. Pet owners don't have to open and close the door frequently for their pets.



### Door with Transom

The passage of air is ensured while protecting privacy.



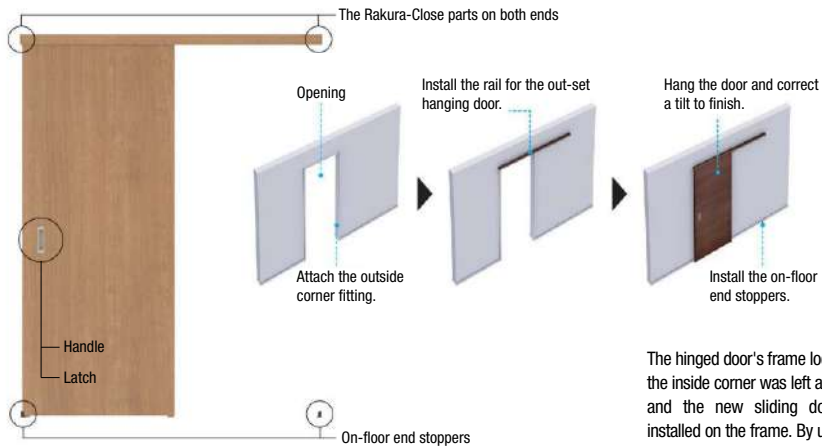
### Hanging door

This door opens and closes with ease. It is suitable for various spaces such as a compact space. It also can be used as an entrance door to the kitchen, or wide partition between rooms.



### Folding door

This type of door is optimal for a compact space such as restroom and walk-in closet. The clearance required to open/close a folding door is approx. 1/3 of that for general hinged doors. The folding doors may give additional spaces for a larger washstand or storage.



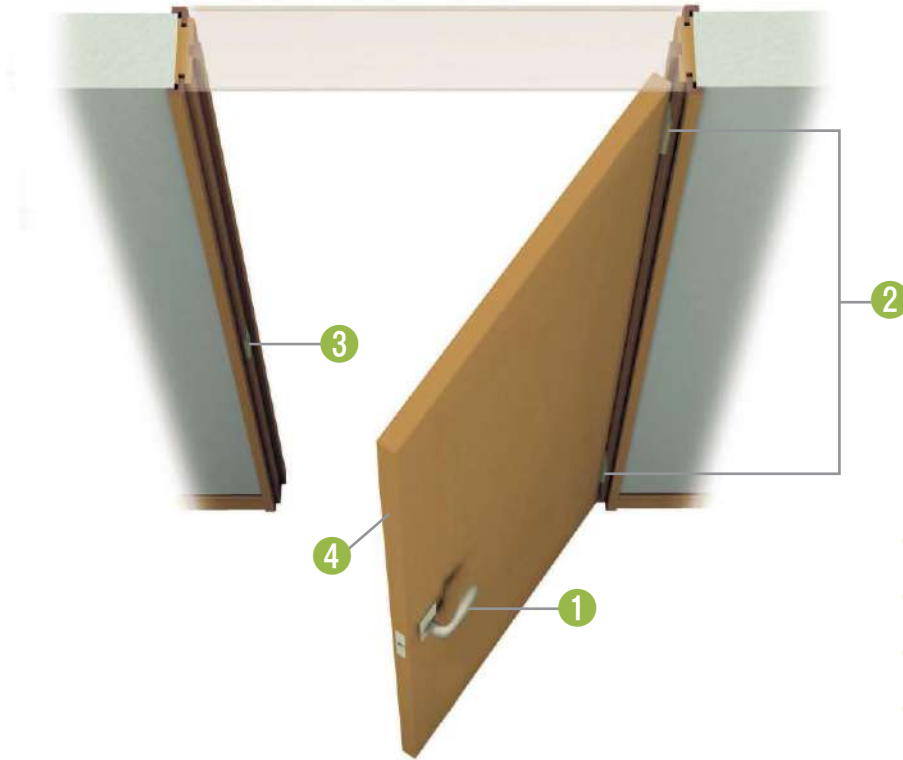
### Out-set hanging door

The floor flatness can be ensured because no rail is installed on the floor. The barrier-free flat floor enables easy cleaning and wheelchair access. It also improves the safety for residents, especially children and elderly people.

The hinged door's frame located on the inside corner was left as it was, and the new sliding door was installed on the frame. By using the existing vertical frame, the inside corner between the door and wall can be neatly finished.



### Swing Door Features



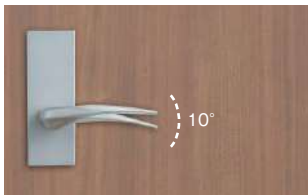
- 1 Lever Handle
- 2 Adjustable Hinge
- 3 Quiet Latch
- 4 Smooth Finish

#### 1 Lever Handle

##### Short-stroke Lever Handle

Opening or closing the door requires only rotating the handle approximately 10 degrees, compared to 30 degrees with the conventional lever handle.

This is convenient because you can open and close doors easily even when your hands are full and recommended also for the elderly and those with weak physical strength.



##### Lock Types

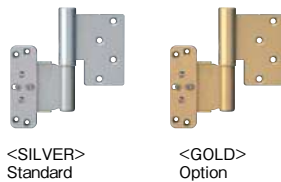
As standard, our single swing doors have a passage lock, while bathroom doors have an indicator lock. The standard lock can be optionally changed to a passage lock, privacy lock, indicator lock, or simple cylinder lock.

**Passage Lock**  
Attached as standard to single swing doors/double doors with different size leaves

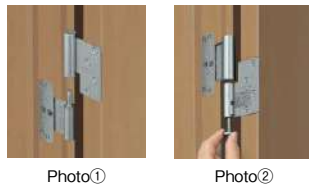
**Privacy Lock**  
Recommended for bedrooms and private rooms

**Indicator Lock**  
Attached as standard to bathroom doors

#### 2 Adjustable Hinge



Our doors include easy-to-hang door hinges for quick installation. Align the barrel of the lower hinge plate on the door with the pivot shaft of the lower hinge plate on the frame and lower the door (Photo ①). While pulling down the pivot shaft of the upper hinge plate on the door, align its barrel with the barrel of the upper hinge plate on the frame and release the pivot shaft. Lower the special cover on the upper hinge plate on the door to complete hanging the door (Photo ②).



##### Up and Down Adjustment

Rotate the top of the lower hinge barrel on the door with a Phillips head screwdriver to adjust the vertical clearance between the door and the frame within a range of 6 mm.



##### Left and Right Adjustment

Rotate the screws in the center of each hinge plate on the frame with a Phillips head screwdriver to adjust the horizontal clearance between the door and the frame within a range of 5 mm.



##### Front and Back Adjustment

Adjust the clearance between the door and the door stopper within a range of 3 mm.



#### 3 Quiet Latch

All types of doors include a quiet latch as standard to reduce the sound of opening and closing the door.



#### 4 Smooth Finish

All doors have smooth rounded corners to ensure safety.



#### + Swing Door Damper (Option)

Swing door damper pulls in the door slowly to suppress the slamming sound when closing the door.





## RA Series

"Uzukuri" is a traditional Japanese wood surface finishing technique to produce a nicely raised grain texture. The RA series uses an "Uzukuri-like" surface sheet to reproduce in reality the feel and texture inherent to natural wood, such as a unique three-dimensional effect with subtle shadows created by changing light and the feel of a soft touch.



<TD>

<TG>

<MF>

<MT>

<ML>

<WG>

<WW05>

## NW Series



<WH07>

<WH09>

<Black>

<Green>

<Purple>

### Specifications (Door)

Base material	▷ Plywood
Surface	▷ PVC sheet lamination
Structure	▷ Flush construction

### Specifications (Frame and Parting Edges)

Base material	▷ Preservative-treated laminated wood
Surface	▷ PVC sheet lamination

\*The base material of parting edges is falcata plywood.

## Design



00

D3

6D

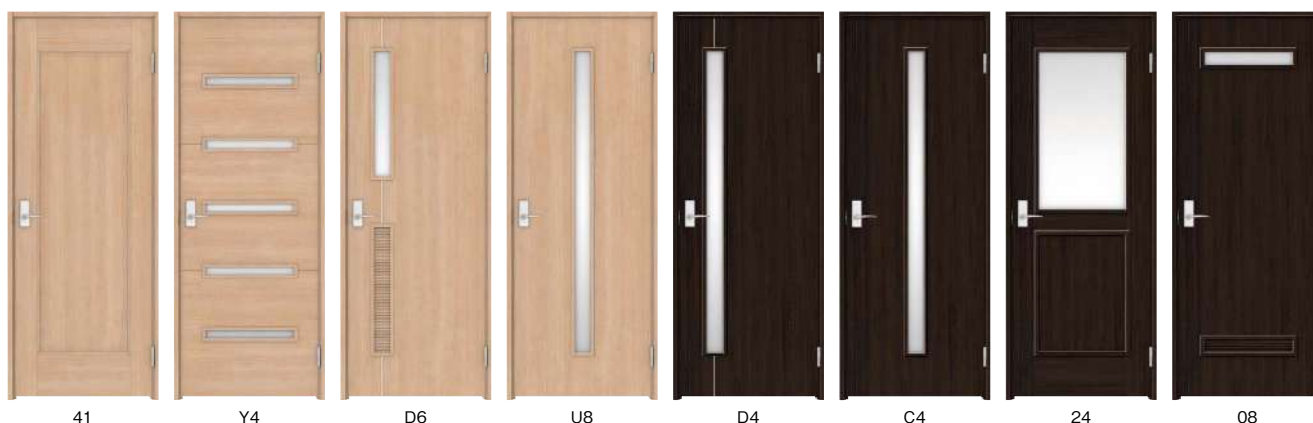
17

01

D1

D2

06



41

Y4

D6

U8

D4

C4

24

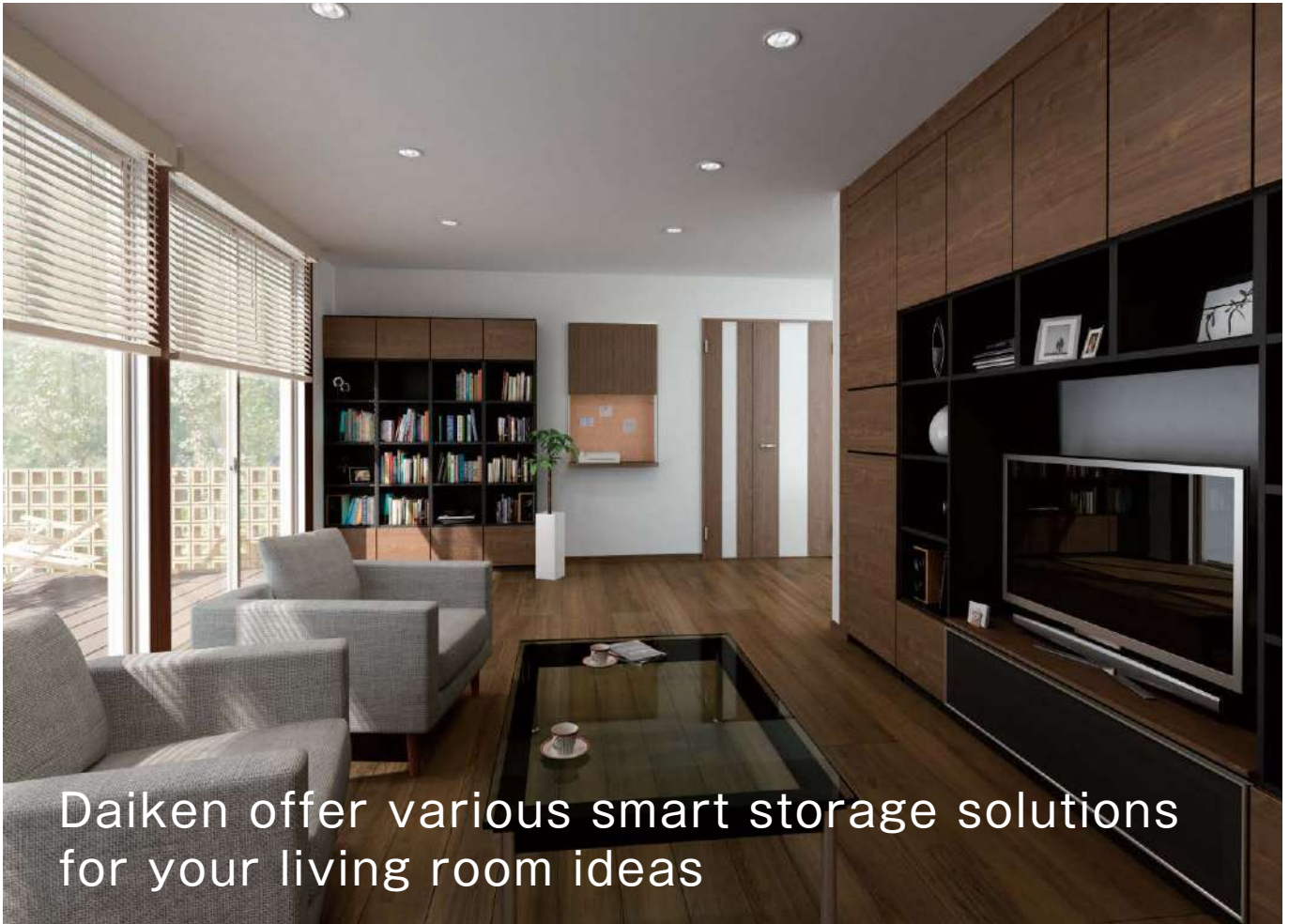
08

MDF

Ceiling

Flooring

Interior Door



Daiken offer various smart storage solutions for your living room ideas

Cabinet

Wall

Building Acoustics

Others

### Living Storage System

Cabinet systems let you choose modular cabinets one by one based on room arrangement or the color and pattern of the floor or interior doors to fit nicely with your living space.



### Closet

Combines easy sliding and opening with silent and effortless closing door panel, all parts are designed so you can be flexible in building your wardrobe with ample storage space.

#### ■ Door Unit



#### ■ Interior Unit



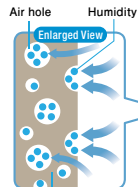
Healthy Indoor Air Quality start with maintaining proper indoor relative humidity (RH) levels.

DAIKEN breathable wall board with waterproof feature to keep your living space at comfortable humidity levels.

When humidity is high

Absorbs moisture in the air to maintain dry and refreshing conditions.

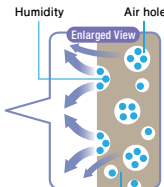
The minute air holes in the wall material absorb excess moisture to keep the indoor air at the comfort and refreshing levels. This function is useful to relieve humid conditions especially in rainy season.



When humidity is low

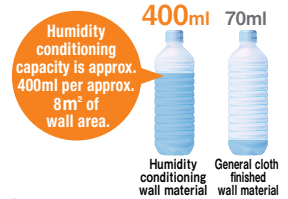
Releases the accumulated moisture to keep the air moist

When the humidity is low, the wall material releases the accumulated moisture to prevent the indoor environment become too dry. This function is useful to relieve excessively dry air in winter.



This label certifies that the product is a registered material based on the "humidity conditioning/building material registration/labeling system," after examination and registration by the Japan Construction Material & Housing Equipment Industries Federation.

Approximately six times\*1 higher water absorption performance than general wallpaper finished wall.



Comfortable humidity at 40 to 70% is maintained.

Comfortable Humidity Environment		
Dry ← Humid		
0 to 40%	40 to 70%	70 to 100%
Rough skin	Humidity at which humans feel comfortable	Dew condensation
Virus multiplication		Mold contamination
Sore throat, nose pain		Mite growth
Allergic disease		
Too dry and uncomfortable    Healthy and comfortable    Too humid and comfortable		

\*1 When the entire wall (8m) of a 6-mat Tatami room is DRYART and the humidity is 75%. The conceptual diagram is based on laboratory data obtained under the following conditions: temperature 23°C, relative humidity by 50 to 75%, and test duration 12 hours.

Deodorant

Eliminate Pet Odor and others indoor smell in Daily Life

Toilet odor, garbage odor, and pet odor are major odors in daily life. DAIKEN's Humidity conditioning wall material absorbs major chemical substances considered to be the causes of these odors and is recommended for rooms where odors can accumulate, or families keeping pets in their homes (see the diagram on the right).

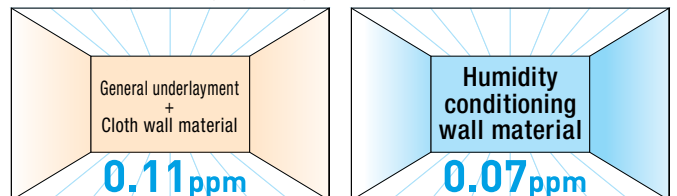
Odor in Home Entrance, Body Odor (Acetic Acid)	Pet Odor, Garbage Odor (Trimethylamine)	Toilet Odor(Urine), Pet Odor, Shoe Odor (Ammonia)	Toilet Odor(Stool), Kitchen(Garbage) Odor (Hydrogen Sulfide)

Formaldehyde Absorption

Absorbing Toxic Formaldehyde (Excluding WT206)

DAIKEN's humidity conditioning wall material is highly effective to reduce the concentration of formaldehyde emission from other building materials and furniture.

Formaldehyde Absorption Comparison \*2



\*2 The guideline value of the airborne formaldehyde concentration in indoor air presented by the WHO (World Health Organization) and Japanese Ministry of Health, Labour and Welfare is 0.08 ppm.

\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.



### WT206

Residential use Underlayment System Square Edge Only 9mm Thick



Deep embossed texture of Washi creates high-quality living spaces with a classic look.

Labels Related to Public Certifications and Industrial Associations

F☆☆☆☆ 4VOC Standards Compliant

Premium Features

Low VOC Humidity Conditioning **DAIKEN ECO**



#### Specifications

- Dimensions ▷ 9 mm thick, 455 x 2,420 mm
- Packing material quantity ▷ Cardboard case, 2 pieces (2.2㎡) per case
- Base material ▷ Insulation board
- Surface ▷ Machine-made Japanese Washi paper fabrics
- Edge processing ▷ Curling on all sides
- Certifications ▷ Humidity conditioning building material, registered product name "DRYART textile" Registration number: T09-0021 Registration agency: Japan Construction Material & Housing Equipment Industries Federation
- Formaldehyde regulations ▷ F4-rank, Japan Fiberboard and Particleboard Manufacturers Association

#### Cross-sectional View



### WT203

Residential Use Underlayment System Tape Adhesive Backed Tongue & Groove Joint 9mm Thick



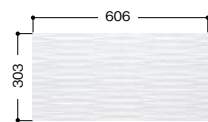
Characteristic three-dimensional design

Labels Related to Public Certifications and Industrial Associations

Formaldehyde Labeling Exempted Product 4VOC Standards Compliant Quasi noncombustible

Premium Features

Low VOC Deodorant Humidity Conditioning Formaldehyde Absorption **DAIKEN ECO**

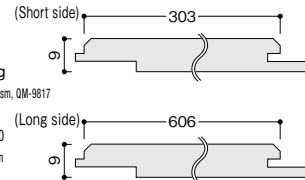


\* The wall surface is flat and smooth (not rugged).

#### Specifications

- Dimensions ▷ 9 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 8 pieces (1.46㎡) per case
- Base material ▷ Humidity conditioning rock wool board
- Surface ▷ Emboss processing + Acrylic emulsion coating
- Edge processing ▷ Tongue-and-groove joint on all sides, chamfering
- Certifications ▷ Quasi-noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, QM-9817 Humidity conditioning building material, registered product name "DRYART (humidity conditioning rock wool board, 9mm)" Registration number: T09-0020 Registration agency: Japan Construction Material & Housing Equipment Industries Federation
- Formaldehyde regulations ▷ Labeling exempted product

#### Cross-sectional View



### WT201

Residential use Underlayment System Square Edge Only 6mm Thick



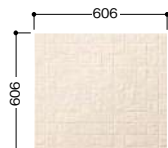
Distinctive three-dimensional marble texture

Labels Related to Public Certifications and Industrial Associations

Formaldehyde Labeling Exempted Product 4VOC Standards Compliant

Premium Features

Low VOC Deodorant Humidity Control Feature Formaldehyde Absorption **DAIKEN ECO**



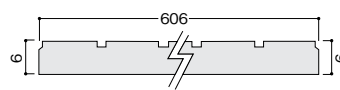
<BEIGE> WT2011-2

<BROWN> WT2011-5

#### Specifications

- Dimensions ▷ 6 mm thick, 606 x 606 mm
- Packing material quantity ▷ Cardboard case, 4 pieces (1.46㎡) per case
- Base material ▷ Humidity conditioning DAILITE board
- Surface ▷ Emboss processing + Acrylic emulsion coating
- Edge processing ▷ Chamfering on all sides
- Certifications ▷ Humidity conditioning building material, registered product name "DRYART (humidity conditioning DAILITE board)" Registration number: T08-0001 Registration agency: Japan Construction Material & Housing Equipment Industries Federation
- Formaldehyde regulations ▷ Labeling exempted product

#### Cross-sectional View



# WT207

Residential Use Underlayment System Tape Adhesive Backed Tongue & Groove Joint 9mm Thick



Cool color wall tiles and design variations give an accent to your room.

Labels Related to Public Certifications and Industrial Associations



Formaldehyde Labeling Exempted Product 4VOC Standards Compliant Quasi noncombustible

Premium Features

Low VOC Deodorant

Humidity Conditioning Formaldehyde Absorption

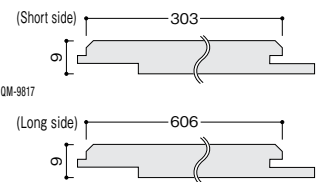
DAIKEN ECO

<FLAT>	<STONE>	<WAVE>	<BIAS>
			
WT2071-1	WT2072-1	WT2073-1	WT2074-1
			
WT2071-2	WT2072-2	WT2073-2	WT2074-2
			
WT2071-3	WT2072-3	WT2073-3	WT2074-3
			
WT2071-4	WT2072-4	WT2073-4	WT2074-4
			
WT2071-5	WT2072-5	WT2073-5	WT2074-5

### Specifications

- Dimensions ▷ 9 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 8 pieces (1.46㎡) per case
- Base material ▷ Humidity conditioning rock wool board
- Surface ▷ Emboss processing + Acrylic emulsion coating
- Edge processing ▷ Tongue-and-groove joint on all sides, chamfering
- Certifications ▷ Quasi-noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, OM-9817
- Humidity conditioning building material, registered product name "DRYART (humidity conditioning rock wool board, 9 mm)" Registration number: T09-0020
- Registration agency: Japan Construction Material & Housing Equipment Industries Federation
- Formaldehyde regulations ▷ Labeling exempted product

### Cross-sectional View



# WT205

Residential use Underlayment System Tape Adhesive Backed Tongue & Groove Joint 6mm Thick



Surface coated with special coating to prevent 99% of viruses grow on the wall.

Labels Related to Public Certifications and Industrial Associations

Formaldehyde Labeling Exempted Product 4VOC Standards Compliant Noncombustible

Premium Features

Low VOC Deodorant

Humidity Conditioning Formaldehyde Absorption

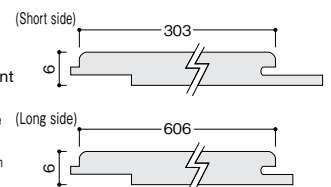
DAIKEN ECO

<STRIPE>	<ROCK>	<FLAT>
		
<STRIPE> WT2051-1	<ROCK> WT2052-1	<FLAT> WT2053-1

### Specifications

- Dimensions ▷ 6 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 8 pieces (1.46㎡) per case
- Base material ▷ Humidity conditioning DAILITE board
- Surface ▷ Emboss processing + Acrylic emulsion coating
- Edge processing ▷ Tongue-and-groove joint on all sides, rounded joint
- Certifications ▷ Noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, NM-1515
- Humidity conditioning building material, registered product name "DRYART (humidity conditioning DAILITE board)" Registration number: T08-0001
- Registration agency: Japan Construction Material & Housing Equipment Industries Federation
- Formaldehyde regulations ▷ Labeling exempted product

### Cross-sectional View



\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.



MDF

Ceiling

Flooring

Interior Door

Cabinet

Wall

Building Acoustics

Others



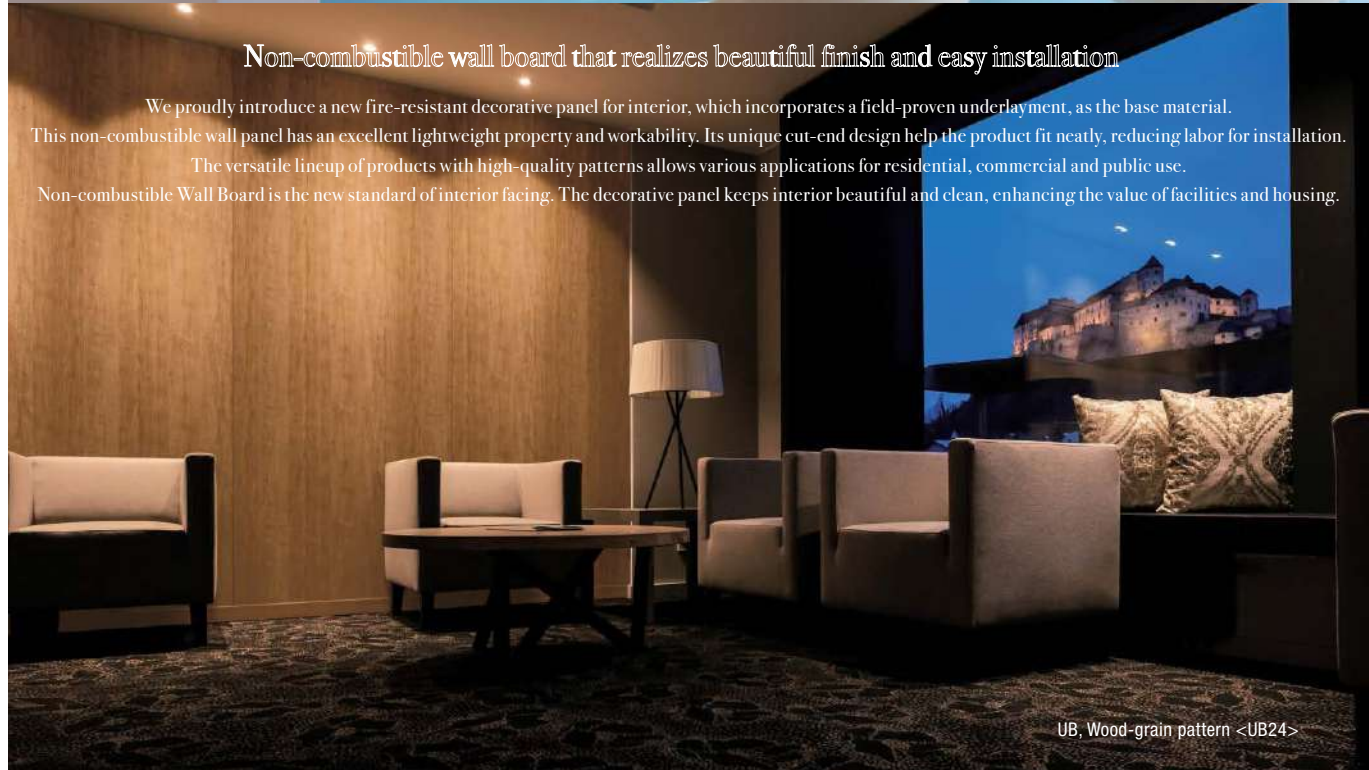
LA, Stone-grain or abstract pattern <LA17>

**NEW**

# Non-combustible Wall Board

Non-combustible wall board that realizes beautiful finish and easy installation

We proudly introduce a new fire-resistant decorative panel for interior, which incorporates a field-proven underlayment, as the base material. This non-combustible wall panel has an excellent lightweight property and workability. Its unique cut-end design help the product fit neatly, reducing labor for installation. The versatile lineup of products with high-quality patterns allows various applications for residential, commercial and public use. Non-combustible Wall Board is the new standard of interior facing. The decorative panel keeps interior beautiful and clean, enhancing the value of facilities and housing.



UB, Wood-grain pattern <UB24>

**Features**



The base material contains DAIKEN's original high-performance base material, which is made from mineral fiber and volcanic vitreous sediment that are highly resistant to heat and fire.

**High fire resistance**



High non-combustibility certified by the Minister of Land, Infrastructure, Transport and Tourism

**Lightweight**



Non-combustible Wall Board is easy to carry, as it weighs 2/3 of the weight of general melamine facing.

**High workability**



A cutter can be used for a small-scale processing.





LA, Wood-grain pattern &lt;LA67&gt;



TA, Stone-grain or abstract pattern &lt;TA16&gt;



UB, Wood-grain pattern &lt;UB12&gt;



UB, Wood-grain pattern &lt;MILL BEIGE&gt;

### LS Stone-grain or abstract pattern


Official Certification and Industry Group-related Declarations  
 Formaldehyde Labeling exempted product



#### Specifications

- Dimensions ▷ [3 × 6 ft] 3 mm thick, 910 × 1,820 mm, [3 × 8 ft] 3 mm thick, 910 × 2,420 mm
- Quantity, weight ▷ [3×6 ft] 2 pieces (3.31 m<sup>2</sup>, approx. 16 kg) per package, [3 × 8 ft] 2 pieces (4.40 m<sup>2</sup>, approx. 22 kg) per package
- Front surface ▷ Oil-repellent PET film (Mirror)
- Edge processing ▷ Cutting-off on all sides
- Certifications ▷ Minister for Land, Infrastructure, Transport and Tourism-certified Non-Combustible Material, NM-2272
- Formaldehyde regulations ▷ Labeling exempted product

### LA Wood-grain pattern

Official Certification and Industry Group-related Declarations  
 Formaldehyde Labeling exempted product  




- \* The colors of <WH>, <ML>, <MA>, <MT> and <MW> can be coordinated with DAIKEN's doors and flooring.
- \* For the product exceeding 100 m<sup>2</sup>, please ask your local representative for delivery period.

#### Specifications

- Dimensions ▷ [3 × 9 ft] 3 mm thick, 910 × 2,730 mm
- Quantity, weight ▷ [3 × 9 ft] 2 pieces (4.96 m<sup>2</sup>, approx. 24 kg) per package
- Front surface ▷ DAP resin coated paper (Matte)
- Edge processing ▷ Cutting-off on all sides, similarly colored
- Certifications ▷ Minister for Land, Infrastructure, Transport and Tourism-certified Non-Combustible Material, NM-2576
- Formaldehyde regulations ▷ Labeling exempted product

## LA Stone-grain or abstract pattern

Official Certification and Industry Group-related Declarations

Formaldehyde  
Labeling exempted product



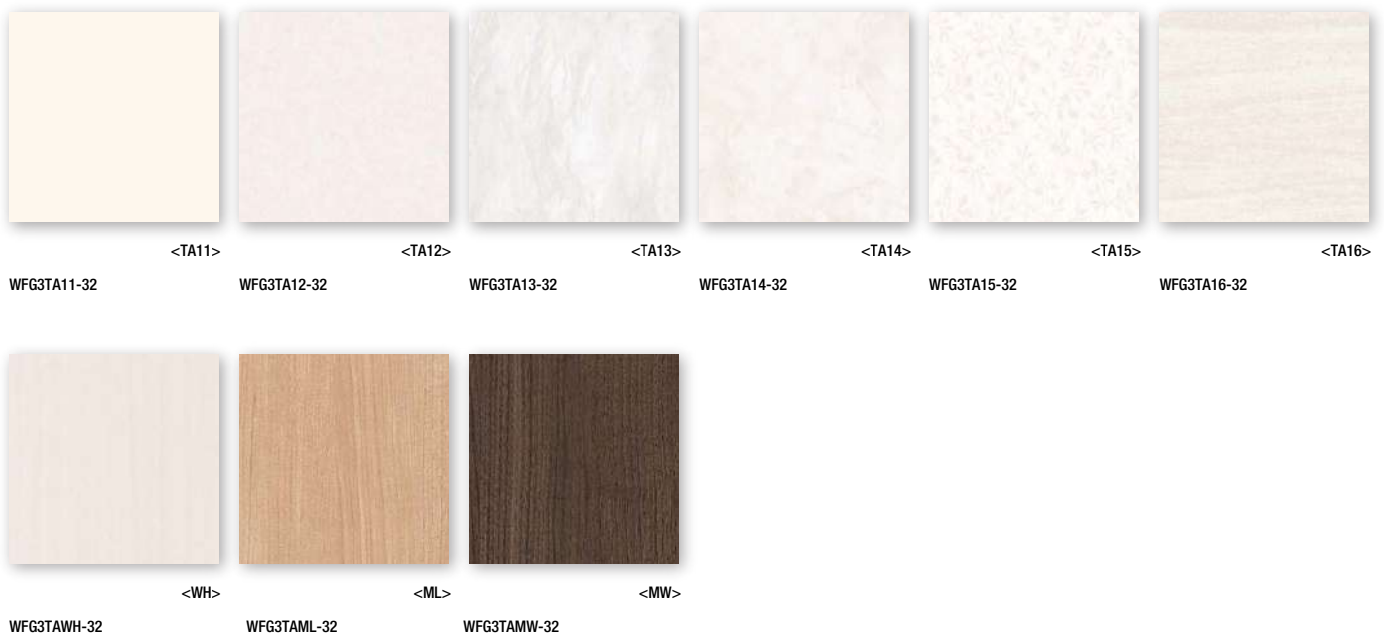
### Specifications

- Dimensions ▷ [3 × 6 ft] 3 mm thick, 910 × 1,820 mm, [3 × 8 ft] 3 mm thick, 910 × 2,420 mm
- Quantity, weight ▷ [3×6 ft] 2 pieces (3.31 m<sup>2</sup>, approx. 16 kg) per package, [3 × 8 ft] 2 pieces (4.40 m<sup>2</sup>, approx. 22 kg) per package
- Front surface ▷ DAP resin coated paper (Mirror)
- Edge processing ▷ Cutting-off on all sides
- Certifications ▷ Minister for Land, Infrastructure, Transport and Tourism-certified Non-Combustible Material, NM-2576
- Formaldehyde regulations ▷ Labeling exempted product

## TA Stone-grain or abstract pattern/Wood-grain pattern

Official Certification and Industry Group-related Declarations

Formaldehyde  
Labeling exempted product



### Specifications

- Dimensions ▷ [3 × 8.5 ft] 3 mm thick, 910 × 2,580 mm
- Quantity, weight ▷ [3 × 8.5 ft] 2 pieces (4.69 m<sup>2</sup>, approx. 23 kg) per package
- Front surface ▷ PET film (Matte)
- Edge processing ▷ Edge curling and end round chamfering on long sides, cutting-off on short sides
- Certifications ▷ Minister for Land, Infrastructure, Transport and Tourism-certified Non-Combustible Material, NM-1386
- Formaldehyde regulations ▷ Labeling exempted product



Official Certification and Industry Group-related Declarations  
**Formaldehyde Labeling Exempted Product**

### UB Wood-grain pattern



Specifications	
Dimensions	<ul style="list-style-type: none"> <li>[3 mm] 600 × 2,730 mm (2 × 9 ft)</li> <li>[6 mm] 600 × 2,730 mm (2 × 9 ft)</li> </ul>
Quantity, weight	<ul style="list-style-type: none"> <li>[3 mm] 2 pieces (3.27 m<sup>2</sup>, approx. 17 kg) per package</li> <li>[6 mm] 2 pieces (3.27 m<sup>2</sup>, approx. 19 kg) per package</li> </ul>
Front surface	<ul style="list-style-type: none"> <li>Coated paper (Matte)</li> </ul>
Edge processing	<ul style="list-style-type: none"> <li>Halving lap joint on long sides, cutting off on short sides</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>[3 mm] Minister for Land, Infrastructure, Transport and Tourism-certified Non-Combustible Material, NM-1379</li> <li>[6 mm] Minister for Land, Infrastructure, Transport and Tourism-certified Non-Combustible Material, NM-1333</li> </ul>
Formaldehyde regulations	<ul style="list-style-type: none"> <li>Labeling exempted product</li> </ul>

To make a special order for UB wood-grain patterns, please request a quote from your local representative. \* Short sides are cut off.

Thickness	6 mm		3 mm	
	Width	Height	Width	Height
	300 to 910	2,730 or less	300 to 910	300 to 600
Long-side end Shape and finish				

MDF  
 Ceiling  
 Flooring  
 Interior Door  
 Cabinet  
 Wall  
 Building Acoustics  
 Others

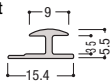

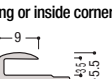
# Dedicated Construction Members

## For LS/LA/TA Stone-grain or abstract pattern (TA11 to 16)

### Aluminum Joiner (9 ft long)

Formaldehyde unregulated parts<sup>1)</sup>

- The product is suitable for use at places where fire resistant properties are required.
- The product makes it easy to process the areas such as outside corners where caulking is not effective.

	<WHITE>	<SILVER>
Joint 	WF30-B411	WF30-B401
Outside corner 	WF30-B111	WF30-B101
Parting or inside corner 	WF30-B311 WF30-B310	WF30-B301 WF30-B300

**Specifications**

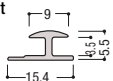

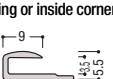
Length ▷ 2,730 mm  
 Material ▷ Aluminum with acrylic baking coating  
 (Anodized aluminum finish for <SILVER> only)  
 Formaldehyde regulations ▷ Unregulated parts

### Antibacterial ABS joiner (9 ft long)

Formaldehyde unregulated parts<sup>1)</sup>

Antibacterial

- The product makes it easy to process the areas such as outside corners where caulking is not effective.

	<WHITE>	<IVORY>	<LIGHT GRAY>	<DARK GRAY>
Joint 	WF30-B711	WF30-B731	WF30-B741	WF30-B751
Outside corner 	WF30-B511	WF30-B531	WF30-B541	WF30-B551
Parting or inside corner 	WF30-B611 WF30-B610	WF30-B631 WF30-B630	WF30-B641 WF30-B640	WF30-B651 WF30-B650

**Specifications**

Length ▷ 2,730 mm  
 Material ▷ ABS resin (Antibacterial agent included)  
 Formaldehyde regulations ▷ Unregulated parts

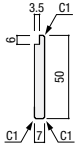
\* This is not a noncombustible material.  
 \* Installation in locations near heat sources such as a gas stove may cause surface discoloration or burning.

## For TA Stone-grain or abstract pattern (TA11 to 16)

Formaldehyde unregulated parts<sup>1)</sup>

### Baseboard

WF83-B8■■■-92



**Specifications**

Dimensions ▷ 7 mm thick, 50 x 4,000 mm  
 Quantity ▷ 2 pieces per package  
 Base material ▷ MDF  
 Front surface ▷ PET film  
 Formaldehyde regulations ▷ Unregulated parts

\* The ■■■ in the product stock numbers represent the color options 11 <TA11>, 12 <TA12>, 13 <TA13>, 14 <TA14>, 15 <TA15>, or 16 <TA16>.

## Heat insulation board 600

Formaldehyde Labeling Exempted Product

- This product is recommended if a sufficient clearance between a stove and walls cannot be ensured.



WF30-BN11

### Specifications

Dimensions ▷ 5 mm thick, 600 x 350 mm  
 Quantity ▷ 1 piece per cardboard case  
 Material ▷ 0.6 mm thick stainless steel plate  
 (Spacer and wood screw included)  
 Formaldehyde regulations ▷ Labeling exempted product

## For TA Wood-grain pattern, LA Wood-grain pattern, UB Wood-grain pattern (3 mm)

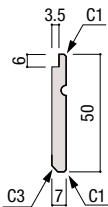
Formaldehyde unregulated parts<sup>1)</sup>

### Baseboard

- Length: 4,000 mm

[Parts with olefin sheet]  
WF53-B8■■■-92

[Parts with coated paper]  
WF63-B8▲▲▲-92

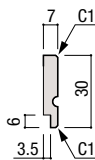


### Ceiling cornice

- Length: 4,000 mm

[Parts with olefin sheet]  
WF53-B9■■■-92

[Parts with coated paper]  
WF63-B9▲▲▲-92

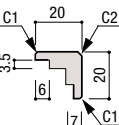


### Outside corner

- Length: 2,730 mm

[Parts with olefin sheet]  
WF53-B1■■■-41

[Parts with coated paper]  
WF63-B1▲▲▲-41

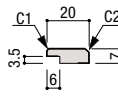


### Parting (or inside corner)

- Length: 2,730 mm

[Parts with olefin sheet]  
WF53-B3■■■-42

[Parts with coated paper]  
WF63-B3▲▲▲-42



### Specifications

Base material ▷ MDF  
 Front surface ▷ Olefin sheet or coated paper  
 Baseboard ▷ Size: 7 mm thick, 50 x 4,000 mm, 2 pieces per package  
 Ceiling cornice ▷ Size: 7 mm thick, 30 x 4,000 mm, 2 pieces per package  
 Outside corner ▷ Length: 2,730 mm 1 piece per package  
 Parting ▷ Length: 2,730 mm 2 pieces per package  
 Formaldehyde regulations ▷ Unregulated parts

\*The ■■■ in the product stock numbers represent the color options WH, ML, MA, MT, MW, or 61 to 67.

\*The ▲▲ in the product stock numbers represent the color options from 11 to 34. <Made-on-order product>  
 When ordering, please use the alphanumeric letters to specify the product.

## For UB wood-grain pattern (6 mm)

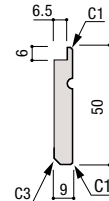
Formaldehyde unregulated parts<sup>1)</sup>

### Baseboard

- Length: 4,000 mm

[Parts with olefin sheet]  
WF56-B8■■■-92

[Parts with coated paper]  
WF66-B8▲▲▲-92

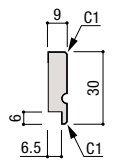


### Ceiling cornice

- Length: 4,000 mm

[Parts with olefin sheet]  
WF56-B9■■■-92

[Parts with coated paper]  
WF66-B9▲▲▲-92

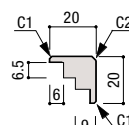


### Outside corner

- Length: 2,730 mm

[Parts with olefin sheet]  
WF56-B1■■■-41

[Parts with coated paper]  
WF66-B1▲▲▲-41

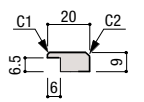


### Parting (or inside corner)

- Length: 2,730 mm

[Parts with olefin sheet]  
WF56-B3■■■-42

[Parts with coated paper]  
WF66-B3▲▲▲-42



### Specifications

Base material ▷ MDF  
 Front surface ▷ Olefin sheet or coated paper  
 Baseboard ▷ Size: 9 mm thick, 50 x 4,000 mm, 2 pieces per package  
 Ceiling cornice ▷ Size: 9 mm thick, 30 x 4,000 mm, 2 pieces per package  
 Outside corner ▷ Length: 2,730 mm 1 piece per package  
 Parting ▷ Length: 2,730 mm 2 pieces per package  
 Formaldehyde regulations ▷ Unregulated parts

\*The ■■■ in the product stock numbers represent the color options WH, ML, MA, MT or MW.

\*The ▲▲ in the product stock numbers represent the color options from 11 to 34. <Made-on-order product>  
 When ordering, please use the alphanumeric letters to specify the product.

\*1: This site is not subject to regulation under Article 20-7 of the Enforcement Ordinance of Building Standards Act; the interior finishing is constructed from notification-exempt materials and Minister for Land, Infrastructure, Transport and Tourism-certified, JIS and JAS F☆☆☆☆ materials.

MDF

Ceiling

Flooring

Interior Door



## Sound Absorption Materials

Sound absorption is the ability of a material to absorb sound waves to suppress sound reflection.

In ordinary rooms, sound waves are reflected by the ceiling, wall, floor, and other equipment one after the other, so it is difficult to obtain desirable sound.

By using ceiling and wall materials with high sound absorption characteristics, it is possible to suppress sound reflection to obtain an optimal sound environment.

Cabinet

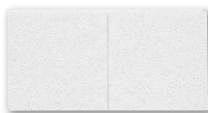
### Sound Absorption Ceiling Board



TB0210



TB0212



TB0213



TB0110



TB01018



TB01063



TB0210-1

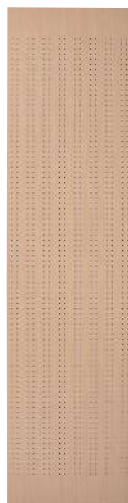


TB0213-1

### Sound Absorption Wall Panels



WB0156



WB0151



WB0155



WB0320-11



WB0320-12



WB0324-11



WB0324-12

Wall

Building Acoustics

Others

\* The performance values and the certification labels are based on the Japanese test method and standards.

\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.



# Sound Insulation Materials

Sound insulation is the ability of a material to prevent sound waves from passing in and out of a room.

For rooms such as a home theater or piano room subject to loud sound at 100 dB or higher, some sound isolation measures should be taken.

By using DAIKEN's sound insulation materials to isolate the entire room, it is possible to reduce sound leaking out of the room to approximately 1/2 to 1/4, compared to rooms using ordinary wall materials.

## Sound-proof Door



### Color Variation



WH



ML



MA



MT

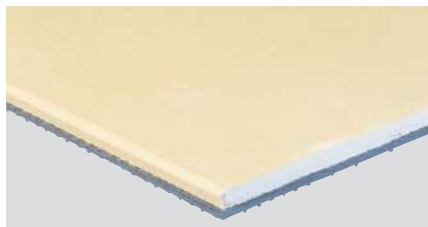
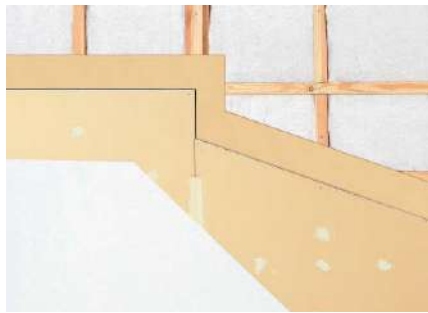


MW



MK

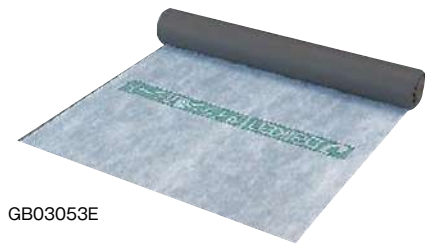
## Underlay Sound Insulation Materials



GB0104



GB01011-S



GB03053E

## Construction Insulation and accessories



GB1801-4



GB0903



\* The performance values and the certification labels are based on the Japanese test method and standards.

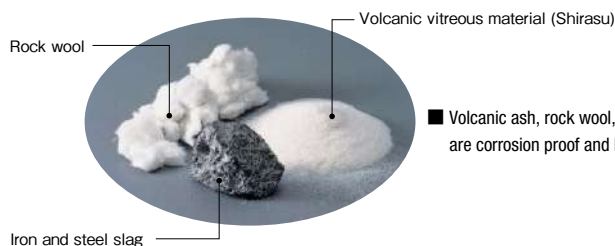
\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

## Wall Base underlayment Volcanic Vitreous Double Glaze Board



DAIKEN developed a unique engineered panel by effectively utilizing volcanic products called "Shirasu."

This panel is applicable to various exterior wall underlayment needs due to excellence in decay/termite prevention, dimensional stability and moisture permeability, lightweight but high strength equivalent to structural plywood (special grade in JAS), fire resistance, and so on. Two types of products are available, 12 mm thick or 9 mm thick.



■ Volcanic ash, rock wool, etc. are corrosion proof and hardly combustible materials.

### Specifications

Standards	▷ JIS A 5440 volcanic silicates fiber reinforced multi-layer board (Declaration of conformity based on JIS Q 1000)
Certifications	▷ Fireproof material certified by the Minister of Land, Infrastructure, Transport and Tourism, QM-9142
Formaldehyde regulations	▷ Labeling exempted product

## Floor base underlayment insulation board



DAIKEN's insulation board is a fiberboard with a density of less than 0.35 g/cm, manufactured by forming the plant fibers of waste wood etc. produced when buildings are demolished as the raw material.

It is useful for many purposes as an underlayment or curing material for roof, wall, or floor installation.

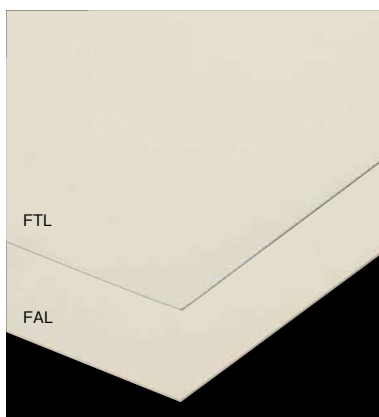


- Covering the floor with this curing board after installation securely protects the floor against falling objects and effectively prevents sand scratches and other damage.
- Water-repellent finish prevents the floor surface from wetting and dirt even if the rain blows in.
- Slip-proof surface finish ensures safety in building site.

### Specifications (Common for Eastern/Western Japan)

Custom dimensions	▷ 6 mm thick, 910 x 1,820 mm	Certifications	▷ • Designated procurement item in accordance with the Green Purchasing Law (Law Concerning the Promotion of Procurement of Eco-Friendly Goods and Services by the State and Other Entities)
Packing material, quantity	▷ 150 pieces per case, fastened with Polypropylene bands		• Recycling Mark certified product (approved by Japan Fiberboard and Particleboard Manufacturers Association), JFP-M009
Package weight	▷ Approx. 450 kg/package		• Eco Mark certified product No. 05111013
Base material	▷ Insulation board	Formaldehyde regulations	▷ Labeling exempted product
Surface	▷ Breathable water-repellent coating		
Back surface	▷ Formaldehyde absorption treatment		

## Non Combustible Decoration Base Material



Excellent fire resistance, strength, and lightweight suitable for various types of Non Combustible Decorative base board.

- **Noncombustible Material with Excellent Fire Resistance**  
Noncombustible decorative base material ideal for decorative base board products that require high fire resistance
- **Lightweight and High Strength**  
Lightweight and high-rigidity noncombustible material with a density of 0.77 g/cm<sup>3</sup> <FAL>, highly suitable as a surface material for various types of decorative board products
- **Excellent Dimensional Stability**  
Superb dimensional stability equivalent to calcium silicate boards
- **Exceptional Decorative Surface Quality**  
Exceptionally smooth surface that significantly improves the quality of decorative surface on coating finished and moisture-permeable sheet finished products  
\* Please use solvent-free adhesives such as a PUR (polyurethane reactive) hot-melt adhesive.
- **Easy of Cutting**  
Base material that can be cut easily using a wood chip saw or even a hand saw
- **No Preservation Treatment Needed to Prevent Termite/Insect Damage and Decay**  
Base material using an inorganic material that is hardly eaten by termites and wood-destroying fungi. This is a human-friendly product that eliminates the need for termite, insects, and decay prevention.
- **Eco-friendly and Human-friendly**  
Asbestos-free inorganic base material featuring a low environmental load. DAILITE is a formaldehyde labeling exempted product friendly to the earth and human beings.

### Specifications

Application Examples	▷ Various types of decorative base boards, kitchen hanging door, noncombustible molding, store/hall interior material, wall material for museum repository, flat roof underlayment, etc.
Material composition	▷ Thin-paper aluminum-foil laminated on both sides/no volcanic silicates fiber reinforced multi-layer board on back surface (not reversible)
Noncombustibility	▷ Noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, NM-1221 (DAILITE FAL) Noncombustible material certified by the Minister of Land, Infrastructure, Transport and Tourism, NM-1220 (DAILITE FTL)
Density (g/cm <sup>3</sup> )	▷ 0.77 (DAILITE FAL) 1.3 (DAILITE FTL)
Bending strength (N/mm <sup>2</sup> )	▷ 12 (DAILITE FAL) 16 (DAILITE FTL)
Peel strength (N/mm <sup>2</sup> )	▷ 0.6
Standard dimensions	▷ 6.9 mm thick, 925 x 1,840 mm (DAILITE FAL) 3 mm thick, 925 x 1,840 mm (DAILITE FTL)
Packing material, quantity	▷ 6 mm thick: 100 pieces, 9 mm thick: 70 pieces (DAILITE FAL) 100 pieces (DAILITE FTL)
Custom order dimensions	▷ 6.9 mm thick, 610 to 1,225 x 1,000 to 3,030 mm (DAILITE FAL) 3 mm thick, 610 to 1,225 x 1,000 to 3,030 mm (DAILITE FTL)
Custom order production lot	▷ 3,000 m <sup>2</sup> min.

\* The performance values and the certification labels are based on the Japanese test method and standards.

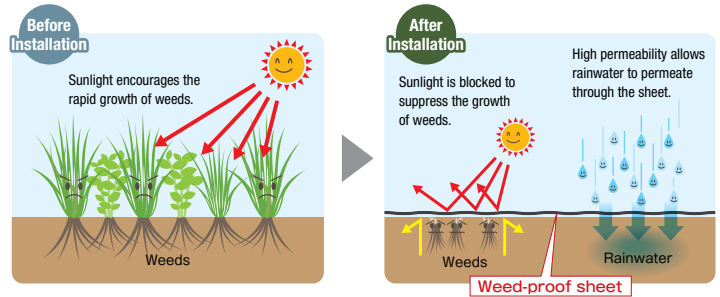
\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.

# Grass Buster Weed Control Fabric

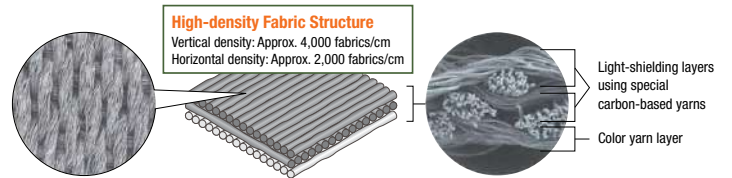


## Grass Buster thick layer fabric able to block 99% of the sunlight to prevent weeds grown in paddy or mulch.

This fabric weed-proof sheet uses a high-density three-layer structure that cuts 99.9% or more of sunlight to exhibit high light-shielding performance, suppressing the breeding and growth of weeds to reduce the cumbersome maintenance workload such as weeding.



### Reason High-density Three-layer Structure

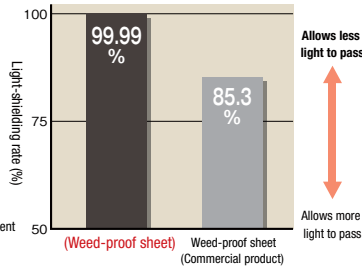


### Light Shielding

High light-shielding performance of the sheet through the use of extremely high density woven fabrics suppresses the photosynthesis of weeds to prevent their growth.

Test method: JIS L 1055A

\* The above test results are based on third-party measurement and not guaranteed values.



### Permeability

High permeability of the sheet prevents not only water from being pooled on the sheet surface, but also the soil under the sheet from being dried.



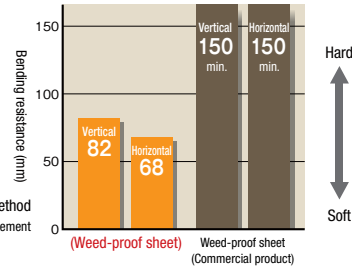
\* Photo showing an example of installation.

Back side of the sheet after 10 years of use. Because the sheet allows water to permeate, the appearance of the soil remains almost the same as before installation.

### Flexibility

High flexibility of the sheet allows flexible installation depending on the condition of the soil, on a slope for example.

Test method: JIS L 1096A, 45-degree cantilever method  
\* The above test results are based on manufacturer measurement and not guaranteed values.



### Durability

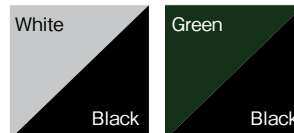
The sheet is verified to be durable for approximately 10 years at the installation site in Fukui City, Fukui Prefecture.

Photo showing the sheet installation site (approx. 10 years after installation)

\* The above data is based on test results provided by the manufacturer and not guaranteed.



### Color Samples



The front surface is white or green and the back surface is black.  
The sheet is reversible and either side can be used as the front surface.

\* The performance values and the certification labels are based on the Japanese test method and standards.

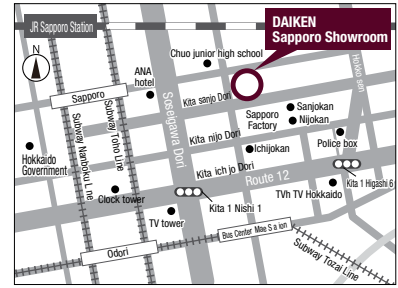
\* DAIKEN CORPORATION does not guarantee that the products listed here conform to the laws and regulations of the country or region where they are being used.



# Find your nearest DAIKEN showroom.



## 1 Sapporo Showroom



060-0033

4-1-10 Kita 3-jo Higashi, Chuo-ku, Hokkaido  
Phone: (011) 207-4440, Fax: (011) 207-4448

Opening hours: 10 am to 5 pm. Car parking available.

Closed on Wednesday, summer holidays and New Year holidays

\* Open when Wednesday is a public holiday.

## 5 Kanazawa Showroom



920-8201

2-11 Kuratsuki-higashi, Kanazawa, Ishikawa  
Phone: (076) 254-5882, Fax: (076) 254-6550

Opening hours: 10 am to 5 pm. Car parking available.

Closed on Wednesday, summer holidays and New Year holidays

\* Open when Wednesday is a public holiday.

## 9 Fukuoka Showroom



812-0018

1-2-25 Sumiyoshi, Hakata-ku, Fukuoka  
Canal City Business Center Building 3F

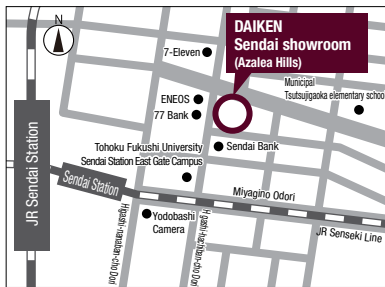
Phone: (092) 235-0111, Fax: (092) 235-0110

Opening hours: 10 am to 5 pm

Closed on Wednesday, summer holidays and New Year holidays

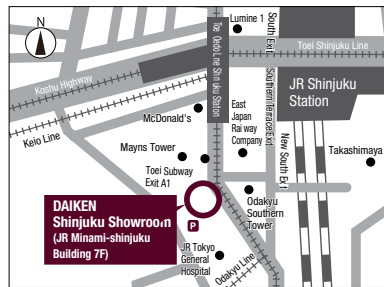
\* Open when Wednesday is a public holiday.

## 2 Sendai Showroom



983-0852  
 3-4-1 Tsutsujigaoka, Miyagino-ku, Sendai  
 Azalea Hills  
 Phone: (022) 742-5610, Fax: (022) 762-8393  
 Opening hours: 10 am to 5 pm  
 Closed on Wednesday, summer holidays and New Year holidays

## 3 Shinjuku Showroom



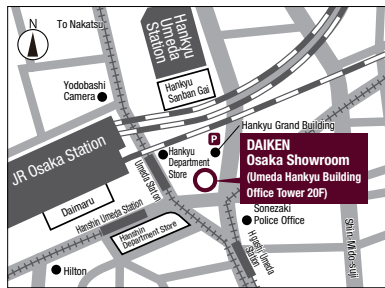
151-0053  
 2-1-5 Yoyogi, Shibuya-ku, Tokyo  
 JR Minami-shinjuku Building 7F-8F  
 Phone: (03) 5358-4515, Fax: (03) 5358-4511  
 Opening hours: 10 am to 5 pm. Car parking available.  
 Closed on Wednesday, summer holidays and New Year holidays  
 \* Open when Wednesday is a public holiday.

## 4 Nagoya Showroom



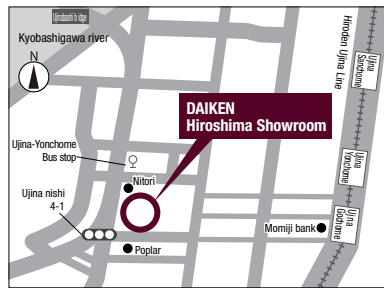
450-6413  
 3-28-12 Meieki, Nakamura-ku, Nagoya  
 Dai Nagoya Building 13F  
 Phone: (052) 582-5700 Fax: (052) 582-5711  
 Opening hours: 10 am to 5 pm  
 Closed on Wednesday, summer holidays and New Year holidays  
 \* Open when Wednesday is a public holiday.

## 6 Osaka Showroom



530-0017  
 8-1 Kakuda-cho, Kita-ku, Osaka  
 Umeda Hankyu Building Office Tower 20F  
 Phone: (06) 6367-3950, Fax: (06) 6367-3939  
 Opening hours: 10 am to 5 pm. Car parking available.  
 Closed on Wednesday, summer holidays and New Year holidays  
 \* Open when Wednesday is a public holiday.

## 7 Hiroshima Showroom



734-0014  
 4-1-36, Ujina-nishi, Minami-ku, Hiroshima  
 Phone: (082) 505-1540, Fax: (082) 505-1541  
 Opening hours: 10 am to 5 pm. Car parking available.  
 Closed on Wednesday, summer holidays and New Year holidays

## 8 Takamatsu Showroom



761-0301  
 2547-3 Hayashi-cho, Takamatsu-shi, Kagawa  
 Phone: (087) 869-7811, Fax: (087) 869-7812  
 Opening hours: 10 am to 5 pm. Car parking available.  
 Closed on Wednesday, summer holidays and New Year holidays  
 \* Open when Wednesday is a public holiday.



The following showrooms are operated in collaboration with TOTO, DAIKEN and YKK AP: **Sapporo, Shinjuku, Kanazawa, Nagoya, Osaka, Hiroshima, Takamatsu and Fukuoka.**

\* We recommend you to visit us on weekdays with reservation, as the showroom may be crowded on Saturday and Sunday.

The information on the showrooms is subject to change. We recommend you to confirm it in advance.

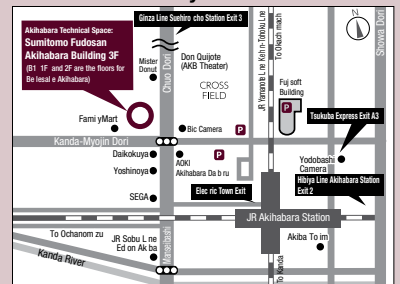
DAIKEN Showroom  
<https://www.daiken.jp/sr/>



With the QR code on the left, you can receive information in your smart phone.

## 10 Akihabara Technical Space

\* Reservations only



101-8950  
 3-12-8 Sotokanda, Chiyoda-ku, Tokyo  
 Sumitomo Fudosan Akihabara Building 3F  
 Phone: (03) 6271-7600, Fax: (03) 5296-4041  
 Opening hours: 10 am to 5 pm  
 Closed on Saturday, Sunday, summer holidays and New Year holidays

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