

キノウを超える、ミライへ。

DAIKEN

Acoustic Mineral Fiber Ceilings

Commercial Office. Education.
Healthcare. Industrial. Residential



041-045-1230
Made From Recycled Material



COMPANY INTRODUCTION

Daiken Corporation, a company listed on the Osaka Securities Exchange & listed on the Nikkei Stock Exchange in Japan was incorporated in 1945.

Long before globally aware of the need for environmental preservation, Daiken has started to manufacture Eco Environmental products by using recycled materials where the products are also recyclable after used . Daiken successfully developed numerous outstanding materials & products, including insulation wood fiber board which effectively utilizes wood waste. Acoustic Mineral fiber ceiling board EXCELSTONE for ceiling and wall paneling with “thermal insulation” and high acoustic performances, high-durability WPC products, the inorganic with high-performance Dailite board which is Eco environment-friendly which made from previously untapped natural raw material.

Daiken is working to develop activities for global environmental preservation in the production plants. The following is a list of our business division and affiliated companies with ISO 14001 & ISO 9001 Certification:-

DAIKEN GROUP (DAIKEN CORPORATION & Related Company)

- Daiken Sarawak Sdn Bhd **
- Daiken Miri Sdn Bhd
- Daiken Industries (Ningbo) Corporation */**
- Daiken New Zealand Ltd *
- PT. Daiken Dharma Indonesia

As a world-leading construction material manufacturer, Daiken Group has come to place great importance on consistent quality and further strengthening quality assurance at all of our production sites. Taking “Friendly to the Earth, Friendly to Humankind” as our corporate team. Daiken is continuously working to contribute to the creation of healthier & more comfortable living environments.

* FSC/COC Certification
** PEFC/COC Certification

ISO 9001 Certificate of Registration

English Translation



Certificate of Registration



Registration Number: RQ2161

Name of Organization:

DAIKEN GROUP (DAIKEN CORPORATION & Related Companies)



Japan Testing Center for Construction Materials (JTCCM) hereby certifies that the following organization has been registered as satisfying the requirements of JTCCM accreditation standards with the information below:

Address of Organization:

1-6-20, Dojima, Kita-ku, Osaka-shi, Osaka, Japan

Applicable Standards: ISO 9001:2008 (JIS Q 9001:2008)

Scope of Registration: As described in the appendix

Date of Registration: September 3, 2010

Date of Renewal: September 3, 2016

Expiration Date: September 14, 2018

Japan Testing Center for Construction Materials
2-8-4, Nihombashi-horidomecho, Chuo-ku, Tokyo 103-0012, Japan
TEL +81-3-3249-3151 FAX +81-3-3249-3156

Naotoshi Osada, President

Toshio Hashimoto, Senior Administrative Manager

English Translation



Appendix to Certificate of Registration



Registration Number: RQ2161

Name of Organization:

DAIKEN GROUP (DAIKEN CORPORATION & Related Companies)



The registered scope of the organization described above is as follows:

Scope of products or services:

Design, Development and Manufacture of Flooring Materials, Wall Paneling Materials, Ceiling Materials, Storage Units, Interior Doors, Staircases & Handrails, Insulation Boards, Volcanic Silicate Fiber Reinforced Multi-layer Boards, Mineral Fiber Boards and Other Building Materials
Sales of Medium Density Fiber Boards, Plywood, Ventilating Fans and Fire Alarm Apparatus
Performance Measurement Analysis for Habitation Space and Construction Materials
Design, Supervision, Construction and Remodeling of Housing
Intermediate Treatment of Industrial Waste (Wood Waste)

Related Operations:

Head Office and Osaka Office: 1-6-20, Dojima, Kita-ku, Osaka-shi, Osaka, Japan
Tokyo Office: 2-12-8, Setokasoda, Chiyoda-ku, Tokyo, Japan
Shinjuku Showroom: 2-1-5, Yoyogi, Shibuya-ku, Tokyo, Japan
Nagoya Showroom: 3-28-12, Meiki, Nakamura-ku, Nagoya-shi, Aichi, Japan
Osaka Showroom: 5-1, Kakuda-cho, Kita-ku, Osaka-shi, Osaka, Japan
Fukuoka Showroom: 1-2-25, Suniyoshi, Hakata-ku, Fukuoka-shi, Fukuoka, Japan
Research & Development Center: 3-12-8, Setokasoda, Chiyoda-ku, Tokyo, Japan
2-5-8, Kaigandori, Minami-ku, Okayama-shi, Okayama, Japan
Hiyashi Nihon Logistics Center: 285-1, Ezura, Koki-shi, Saitama, Japan
Nishi Nihon Logistics Center: 238, Yokogata, Shimo-cho, Kasai-shi, Hyogo, Japan
Hokkaido Branch: 7-1-8, Kita-1jo Higashi, Chuo-ku, Sapporo-shi, Hokkaido, Japan
Tohoku Branch: 3-1-1, Tsutsumigasaki, Miyagi-ku, Sendai-shi, Miyagi, Japan
Chukyo Branch: 1-3-3, Sakae, Naka-ku, Nagoya-shi, Aichi, Japan
Hokushinetsu Branch: 2-11, Karatsukihigashi, Kanazawa-shi, Ishikawa, Japan
Chushu Branch: 4-1-36, Ujimanishi, Minami-ku, Hiroshima-shi, Hiroshima, Japan
Kyushu Branch: 1-2-25, Suniyoshi, Hakata-ku, Fukuoka-shi, Fukuoka, Japan
Habitation Space Division: 1915-3, Mori-cho, Tsurumi-shi, Mie, Japan
Mie Plant (Hiro) 1915-3, Mori-cho, Tsurumi-shi, Mie, Japan
Mie Plant (Kawag) 939-1, Higashimatsu, Kawage-cho, Tsurumi-shi, Mie, Japan
Izumi Plant 1-1, Izumi, Nanto-shi, Toyama, Japan

Izumi Plant Fittings Plant: 256, Tsubono, Nanto-shi, Toyama, Japan
Eto Division: 2-5-8, Kaigandori, Minami-ku, Okayama-shi, Okayama, Japan
Okayama Plant: 2-5-8, Kaigandori, Minami-ku, Okayama-shi, Okayama, Japan
Acoustic Products Division: 2-5-8, Kaigandori, Minami-ku, Okayama-shi, Okayama, Japan
Takakagi Plant: 160-1, Akahama, Takakagi-shi, Ibaraki, Japan
DAIWOOD CORPORATION: 2782-21, Sainoyoi, Iga-shi, Mie, Japan
SETOUCHI KAKO CO., LTD.: 5012, Kori, Minami-ku, Okayama-shi, Okayama, Japan
BAFIT CO., LTD.: 176-1, Wada, Kurayoshi-shi, Tottori, Japan
TOYAMA JUKI CO., LTD. Plant1: 614, Takamasa, Toyama-shi, Toyama, Japan
TOYAMA JUKI CO., LTD. Plant2: 368, Takamasa, Toyama-shi, Toyama, Japan
TOYAMA JUKI CO., LTD. Plant3: 1-1, Izumi, Nanto-shi, Toyama, Japan
DAIYAC CORPORATION: 2-5-8, Kaigandori, Minami-ku, Okayama-shi, Okayama, Japan
AIZU DAIKEN PROCESSING CO., LTD.: 350, Makurahi, Minamishiga, Kazashi-machi, Aizuwakamatsu-shi, Fukushima, Japan
DAIKEN LOGISTICS CORPORATION: 1-6-20, Dojima, Kita-ku, Osaka-shi, Osaka, Japan
DAIKEN HOME AND SERVICE CORPORATION: 2-3-18, Nakamohama, Kita-ku, Osaka-shi, Osaka, Japan
ECOTECHNO CO., LTD.: Sagamihara Plant: 988-2, Tama, Chuo-ku, Sagamihara-shi, Kanagawa, Japan

Supplements to this Registration Item:

The expiration date is temporarily fixed on September 14, 2018, based on ISO 9001:2008 (JIS Q 9001:2008). This expiration date will be changed into the date, 3 years after the "Date of Renewal", after the approval of transition to ISO 9001:2015 (JIS Q 9001:2015).

Date of Registration: September 3, 2010

Date of Renewal: September 3, 2016

Expiration Date: September 14, 2018

Japan Testing Center for Construction Materials
2-8-4, Nihombashi-horidomecho, Chuo-ku, Tokyo 103-0012, Japan
TEL +81-3-3249-3151 FAX +81-3-3249-3156

Toshio Hashimoto, Senior Administrative Manager

Corporate Message

Toward the future going beyond the functions of yesterday

Since its establishment, the Daiken Group has developed a multitude of products by capitalizing on limited resources and listening to our customers' needs.

Today we have evolved into a company where our efforts have accrued to provide first rate building materials and comfortable spaces for our customers.

We will continue to strive towards a sustainable future where people can enjoy pleasant living spaces and lead spiritually rich lifestyles.

In pursuit of new possibilities, we will transcend the past by developing innovative functions towards a brighter tomorrow.

Customer-focused management goes beyond service and quality to create harmony between The People, The Living and The Environment.

Since the establishment of DAIKEN in 1945, the DAIKEN Group has offered various products and services that adapt to the changes in society and the diversified needs of customers to the management philosophy Customer-focused management goes beyond service and quality to create harmony between The People, The Living and The Environment.

We will continue to create "new lifestyle values" in our three core business areas - housing, ecology, and engineering - under the management philosophy.

Percentage of Sales by Business

Engineering Business
Percentage of Sales

10%

16,486million yen

Eco-Business
Percentage of Sales

33%

55,699million yen

FY 2014
Consolidated Sales
168,833
million yen

Housing Business
Percentage of Sales

51%

85,753million yen

*The Percentage of Sales is based on the FY2014 Consolidated Sales, 6% of which is occupied by other business segments.

Housing Business

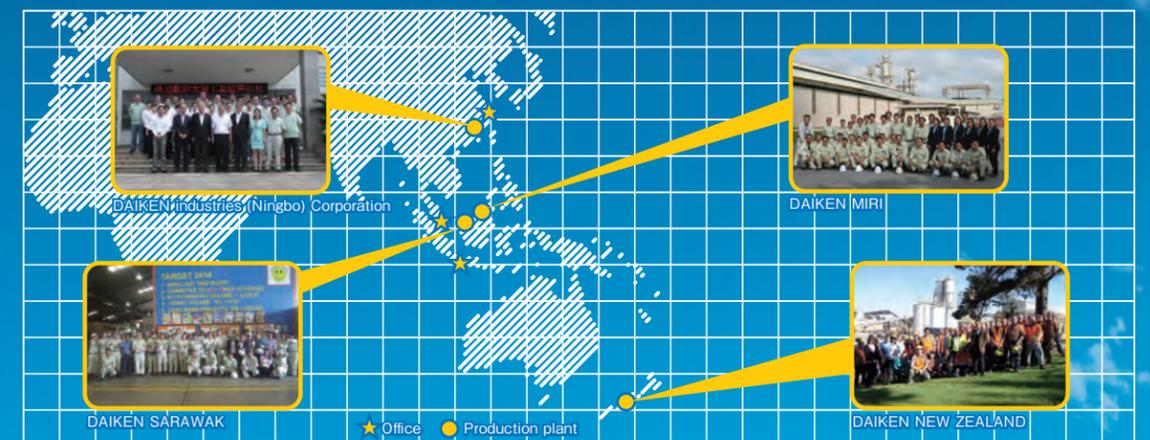
Additional Functionality and Quality in View of Customers' Lives

Ranging from flooring, wall, ceiling, and underlayment materials to cabinets and construction acoustic products, we manufacture a wide variety of housing materials that are indispensable for housing construction. Looking at people's lives from the viewpoints of safety, security, comfortability, convenience, and health, as well as eco-friendliness, we offer products aiming to improve the comfort of living for everyone.



Global Business Expansion Centered in Asia

The DAIKEN Group is globally expanding the businesses in Asia. Our three overseas offices located in China (Shanghai), Singapore, and Indonesia. In addition, four production plants located in China, New Zealand, and Malaysia. Total approximately 3,200 employees work in Daiken offices and factories worldwide, including Japan.



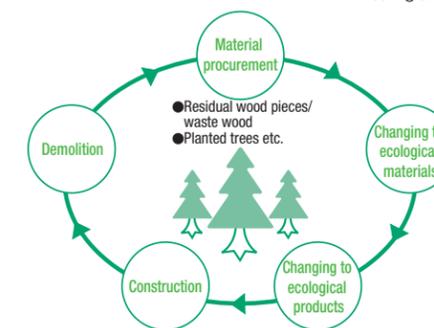
Eco-Business

Establishing an Eco-friendly and Human-friendly Manufacturing System

As a leading resource recycling company, DAIKEN is working actively to develop and manufacture ecological materials aiming at "effective utilization of wood resources" and "effective utilization of untapped resources." We have achieved both eco-friendliness and living comfort of by incorporating thermal insulation, sound absorption, humidity conditioning, earthquake resistance, and other features into our product.



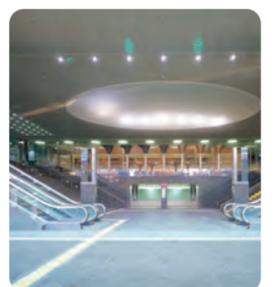
Bearing surface materials



Engineering Business

Fully Support for Construction of Comfortable Living Spaces

We have a total support system that helps builders construct living spaces, ranging from finishing of facilities, offices, etc. and production, purchase, and sale of building components to consultation on design and construction. We deliver comfortable living spaces by utilizing a wide variety of building components and our professional know-how and technology to get the most out of them.



JR Kyoto Station

Interior finishing

Production, purchase, and sale of building components

Consultation on design and construction

Technical guidance

Company Profile

(as of July 2015)

Business name: DAIKEN CORPORATION

Date of founding: September 26, 1945

Paid-in capital: 13,150,039,080 yen

Accounting month: March

[Headquarters and Offices]

- **Registered Head Office:** 1-1 Inami, Nanto City, Toyama, Japan
- **Operational Headquarters:** 1-6-20 Dojima, Kita-ku, Osaka, Japan
- **Tokyo Office:** 3-12-8 Sotokanda, Chiyoda-ku, Tokyo, Japan

[Showrooms]

Sapporo, Sendai, Tokyo, Kanazawa, Nagoya, Osaka, Hiroshima, Takamatsu, Fukuoka

[Overseas Offices]

Shanghai, Singapore, Indonesia

[Domestic Production Plants]

Inami Plant (Nanto, Toyama) / Door
Okayama Plant (Okayama, Okayama) / Ceiling
Takahagi Plant (Takahagi, Ibaraki) / Insulation board
Mie Plant (Tsu, Mie) / Flooring
Daifit Co., Ltd. (Kurayoshi, Tottori) / Flooring
Dai-wood Corporation (Iga, Mie) / Flooring
Setouchi Kakoh Co., Ltd. (Okayama, Okayama) / Flooring
Toyama Juki Co., Ltd. (Tonami, Toyama) / Housing equipment
Dai-tac Corporation (Okayama, Okayama) / Tatami
Aizu Daiken Kako K.K. / Tatami

[Overseas Production Plants]

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

For details, refer to our website. → <http://www.daiken-ad.com/>

DAIKEN History

70 years of a distinguished and successful history.
Daiken continue contributing to lifestyle innovation
by creating new value in Building Material Industry

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

1945 1980 1990 2000 2010

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 respond 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 homogeneity and 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 Acoustical 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.

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"



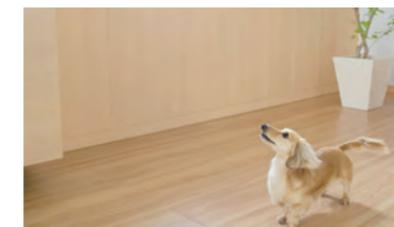
DAIKEN acquired the first certificate of registration in the "humidity conditioning building material registration/labeling system" operated by the Japan Construction Material & Housing Equipment Industries Federation.

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 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.

DAIKEN makes ceilings 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.

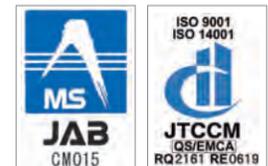
ECO Label



The Singapore Green Labeling Scheme aims to help the public identify environment-friendly products that meet certain eco-standards specified by the scheme and seeks to encourage the level of eco-consumerism in Singapore as well as to identify the growing demand for greener products in the market.



The Green Building Material (GBM) Labeling System of Taiwan proposed by the Architecture and Building Research Institute was officially launched in 2004 to systematically and effectively evaluate the performance of green building materials.



(Registered Scope)
<http://www.jtccm.or.jp/>

ISO:International Organization for Standardization

[ISO 14001] related to Environmental Management Systems
[ISO 9001] related to Quality Management Systems

JR Kyoto station, Kyoto, Japan

There are many good reasons to choose DAIKEN Ceilings.

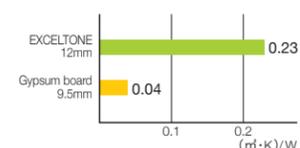
Advantages to Users

FIRE RESISTANCE

Outstanding fire resistance helps contain fires.

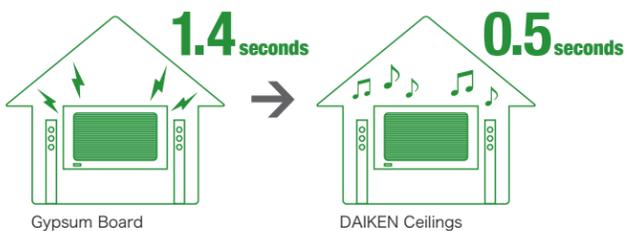
THERMAL INSULATION

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



SOUND ABSORPTION

Adequately absorb the sound and create comfortable reverberant sound.



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.

CONTENTS

EXCELSTONE (MR series)

Surface pattern :

- (MS)
- (MC)
- (MD)
- (MN)
- (MA)
- (MQV-1)
- (MCPS)
- (MV)
- (MP)
- (MLC)



EXCELSTONE (DL series)

- RIB Series
- Metallic / Colour Ceilings
- R Curve Ceiling
- Healthy Ceiling (Residential)



Sound Design

- Otoden Acoustic Ceiling
- Otokabe Acoustic Wall Panels
- Otopita Sound Absorption Wall Panels



EXCELSTONE (MR series)

EXCULTONE (MR series)

3/4 MS-NRC(RH 99)



DAIKEN



Ceiling panels with outstanding humidity resistance.

EXCELSTONE (MR series)

EXCELSTONE (MR series) performance prove super quality.

It is guaranteed for 10 years against visible sagging up to 50°C and 99% relative humidity.

EXCELSTONE (MR series) HIGH NRC TYPE

Achieved superb high NRC value of 0.70 under ASTM C 423.

PHYSICAL DATA SUMMARY

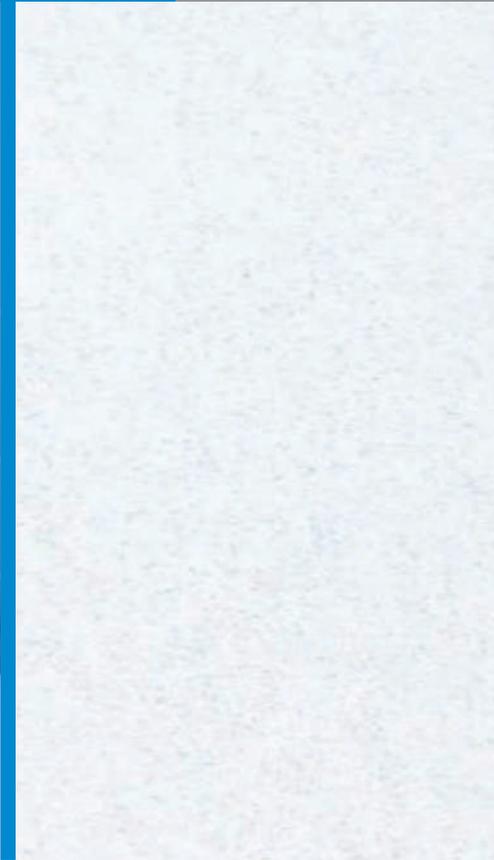
Representative data of EXCELSTONE MR series 5/8" MN.

Physical Properties		Test Method
Moisture Content	2%	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
Light Reflectance	Over 0.80	ASTM E1477
Sound Absorption Coefficient (NRC)	0.55	ASTM C423
Ceiling Attenuation Class (CAC)	32	ASTM E1414 ASTM E413

JIS: Japanese Industrial Standard

Data of EXCELSTONE MR series 3/4" MS-NRC

Physical Properties		Test Method
Flame Spread	Class A	ASTM E84
Light Reflectance	Over 0.80	ASTM E1477
Sound Absorption Coefficient (NRC)	0.70	ASTM C423
Ceiling Attenuation Class (CAC)	34	ASTM E1414



Surface pattern : Smooth faced (MS)

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
- Education
- Emergency Departments (EDs)
- Auditorium
- Management Meeting 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)	 <p>4 Sides: Trimmed</p>	T24 FUT-24
Beveled Reveal Board	3/4"	600mm x 600mm (O.C)BR 600mm x 1200mm (O.C)BR	 <p>4 Sides: Beveled Reveal</p>	T24 FUT-24

PERFORMANCES

Moisture Content
2% - JIS A 6301

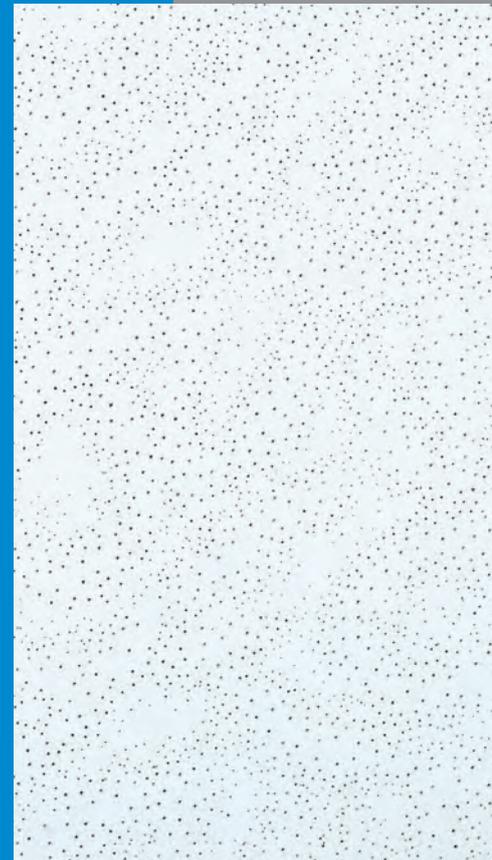
Flame Spread / Fire Resistance
US: Class A
Flame Spread 25 or under
BS 476 Part 6 & 7 : Class 0 / Class 1

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



Surface pattern : Constellation (MC)

MC(RH 99*)

Key Attributes

Features & Benefits:-

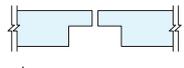
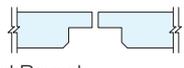
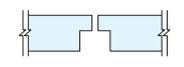
- Random pin perforated design idea for mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) which help to reduce reverberation time and prevent sound transfer through ceiling plenum.
- Good light reflectance can increase the energy efficiency of a space
- Non-Asbestos
- 0% Formaldehyde
- Excellent for mostly all the general commercial interior, school & healthcare centre.
- Semi-Concealed , Shiplap & Custom size are available

Applications:

- Healthcare
- Schools
- Retail stores
- IT room
- Grade A Offices

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	1/2", 5/8" 3/4" (High NRC)	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 4 Sides: Trimmed	T24 FUT-24
Semi-Concealed Board	15mm	Customized Sizes width : 300 ~ 500mm length : 900 ~ 1500mm	 Long Sides: Kerf and Rabbet, Beveled Edge  Short Sides: Trimmed	T24
Shiplap Board	15mm	Customized Sizes width : 300 ~ 500mm length : 900 ~ 1500mm	 Long Sides: Shiplap, Beveled Edge  Short Sides: Trimmed	T24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 4 Sides: Reveal	T24 FUT-24
	3/4" (High NRC)	600mm x 600mm (O.C)BR 600mm x 1200mm (O.C)BR	 4 Sides: Bevel Reveal	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 4 Sides: Narrow Reveal	T15 FUT-15

PERFORMANCES

Moisture Content
2% - JIS A 6301

Light Reflectance
0.80 & above

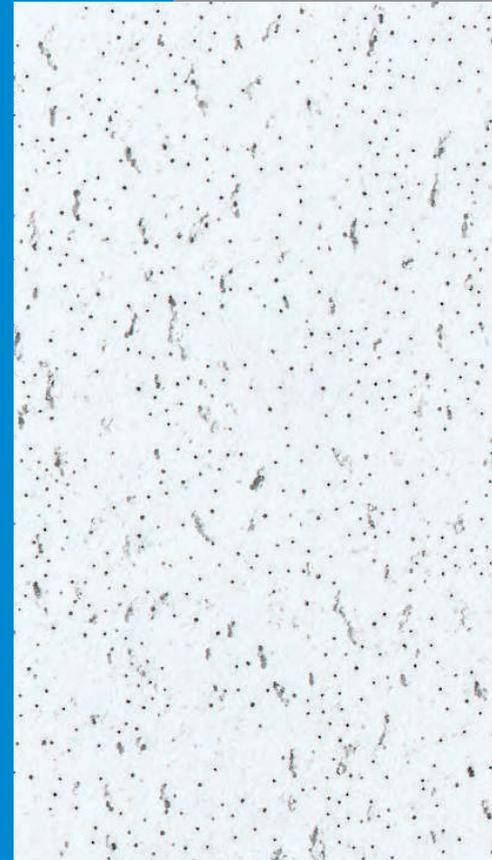
Flame Spread / Fire Resistance
US: Class A
Flame Spread 25 or under
BS 476 Part 6 & 7 : Class 0 / Class 1

Sound Absorption Coefficient
5/8 : NRC 0.46

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99

MD(RH 99*)



Surface pattern : Travertine-Delica (MD)

MD(RH 99*)

Key Attributes

Features & Benefits:-

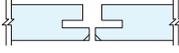
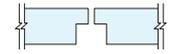
- Unique, fissure pattern with clean appearance, efficient installation.
- Economical, all-purpose ceiling pattern in various tile sizes.
- Excellent choice for large scale ceiling area.
- Semi-Concealed , Shiplap & Custom size are available
- Low VOC
- Non-Asbestos

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

Applications:

- Public Areas
- Retails
- Schools / Libraries
- Café / Restaurants
- Department Store

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 <p>4 Sides: Trimmed</p>	T24 FUT-24
Semi-Concealed Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 <p>Long Sides: Kerf and Rabbet, Square or Beveled Edge</p>  <p>Short Sides: Trimmed</p>	T24
Shiplap Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 <p>Long Sides: Shiplap, Beveled Edge</p>  <p>Short Sides: Trimmed</p>	T24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 <p>4 Sides: Reveal</p>	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 <p>4 Sides: Narrow Reveal</p>	T15 FUT-15

PERFORMANCES

Moisture Content
2% - JIS A 6301

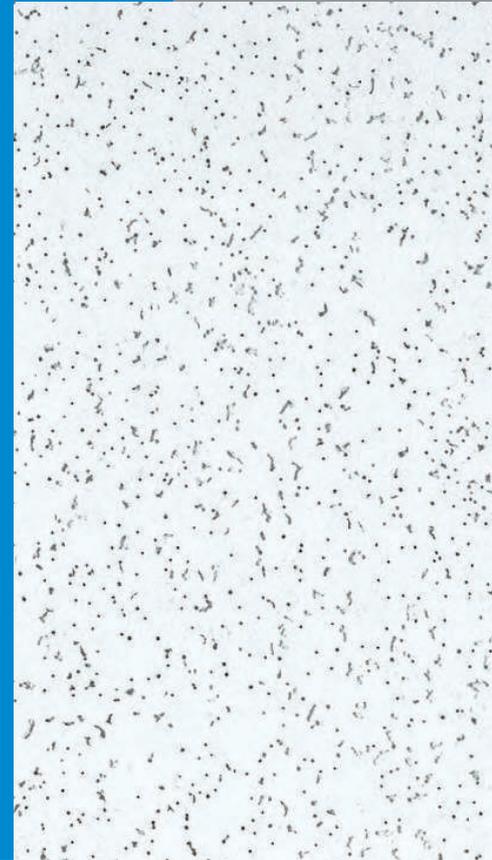
Light Reflectance
0.80 & above

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

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99

MN(RH 99*)



Surface pattern : New NDF (MN)

MN(RH 99*)

Key Attributes

Features & Benefits:-

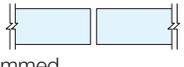
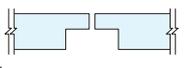
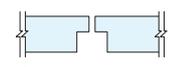
- Acoustic Suspended Ceiling tiles have a non direction fissured clean white surface and are ceiling contractors most favoured commodity panel due to their durability and ease of handling.
- Economical tile in the Daiken range to meet various applications.
- Good sound absorption on NRC and CAC.
- Less likely to emit gas or smoke, or melt, break or become deform under normal fire conditions.
- Semi-Concealed , Shiplap & Custom size are available
- Non-Asbestos

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

Applications:

- Corridors / Hallways
- Classroom / Utilities Rooms
- Factory
- Warehouses
- Stairways

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 <p>4 Sides: Trimmed</p>	T24 FUT-24
Semi-Concealed Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 <p>Long Sides: Kerf and Rabbet, Square or Beveled Edge</p>  <p>Short Sides: Trimmed</p>	T24
Shiplap Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 <p>Long Sides: Shiplap, Beveled Edge</p>  <p>Short Sides: Trimmed</p>	T24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 <p>4 Sides: Reveal</p>	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 <p>4 Sides: Narrow Reveal</p>	T15 FUT-15

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

* Note : 1/2" thickness not RH99

Light Reflectance
0.80 & above

Sound Absorption Coefficient
5/8 : NRC 0.55

Ceiling Attenuation Class
5/8 : CAC 32

Country Of Origin
Made In Japan

MA(RH 99*)



Surface pattern : Astral (MA)

MA(RH 99*)

Key Attributes

Features & Benefits:-

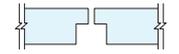
- Non Perforated Acoustical ceiling.
- Non-Asbestos
- Semi-Concealed , Shiplap & Custom size are available

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

Applications:

- Server Rooms
- Industry
- Banks
- Offices
- Pharmacy
- Open Plan offices

Product Specification

EXCELTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 <p>4 Sides: Trimmed</p>	T24 FUT-24
Semi-Concealed Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 <p>Long Sides: Kerf and Rabbet, Beveled Edge</p>  <p>Short Sides: Trimmed</p>	T24
Shiplap Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 <p>Long Sides: Shiplap, Beveled Edge</p>  <p>Short Sides: Trimmed</p>	T24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 <p>4 Sides: Reveal/Square Edge</p>	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 <p>4 Sides: Narrow Reveal</p>	T15 FUT-15

PERFORMANCES

Moisture Content
2% - JIS A 6301

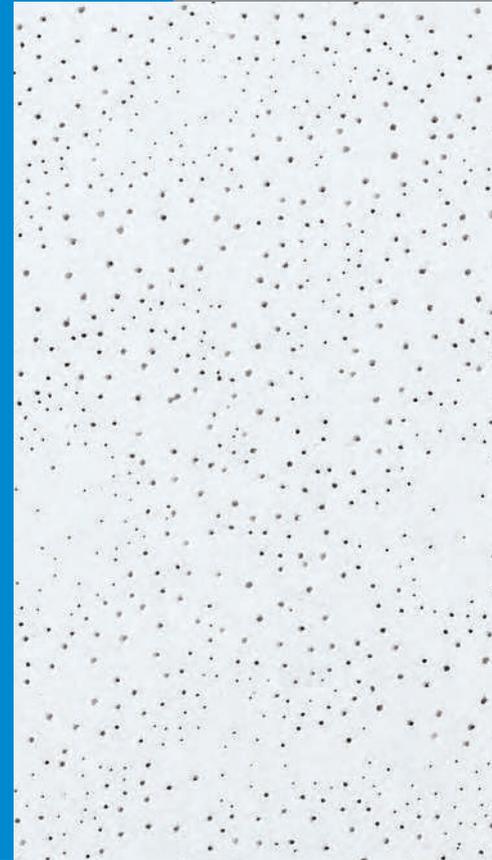
Light Reflectance
0.80 & above

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

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99

MQV-1(RH 99*)



Surface pattern : Moondust (MQV-1)

MQV-1(RH 99*)

Key Attributes

Features & Benefits:-

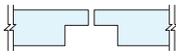
- Beautiful mixed medium and micro pin holes textures with Japanese latex paint.
- Easy installation, cost efficient, low maintenance.
- Certified with Japan Eco Label
- Semi-Concealed , Shiplap & Custom size are available
- Non-Asbestos

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

Applications:

- Multi Function Hall
- Retails
- Schools / Libraries
- Café / Restaurants
- Department Store

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 4 Sides: Trimmed	T24 FUT-24
Semi-Concealed Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 Long Sides: Kerf and Rabbet, Beveled Edge  Short Sides: Trimmed	T24
Shiplap Board	15mm	400 x 1500mm 500 x 1500mm Customized Sizes	 Long Sides: Shiplap, Beveled Edge  Short Sides: Trimmed	T24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 4 Sides: Reveal	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 4 Sides: Narrow Reveal	T15 FUT-15

PERFORMANCES

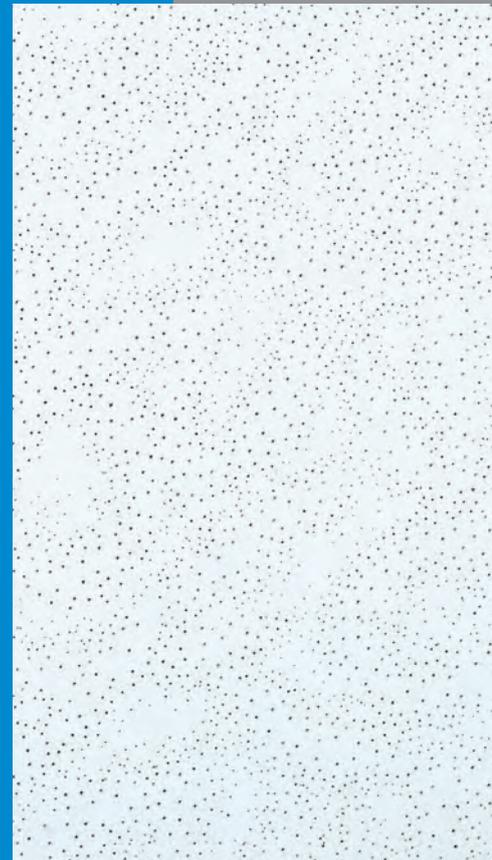
Moisture Content
2% - JIS A 6301

Light Reflectance
0.80 & above

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

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99



Surface pattern : MC-PS

MCPS(RH 99*)

Key Attributes

Features & Benefits:-

- Random pin perforated design idea for mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) which help to reduce reverberation time and prevent sound transfer through ceiling plenum.
- Good light reflectance can increase the energy efficiency of a space
- Non-Asbestos
- Excellent for mostly all the general commercial interior, school & healthcare centre.

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

Applications:

- Healthcare
- Schools
- Retail stores
- IT room
- Grade A Offices

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 4 Sides: Trimmed	T24 FUT-24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 4 Sides: Reveal	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 4 Sides: Narrow Reveal	T15 FUT-15

PERFORMANCES

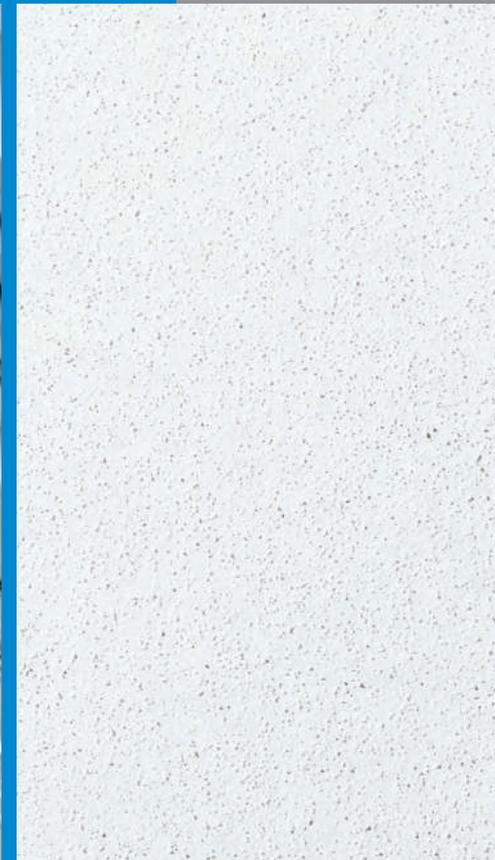
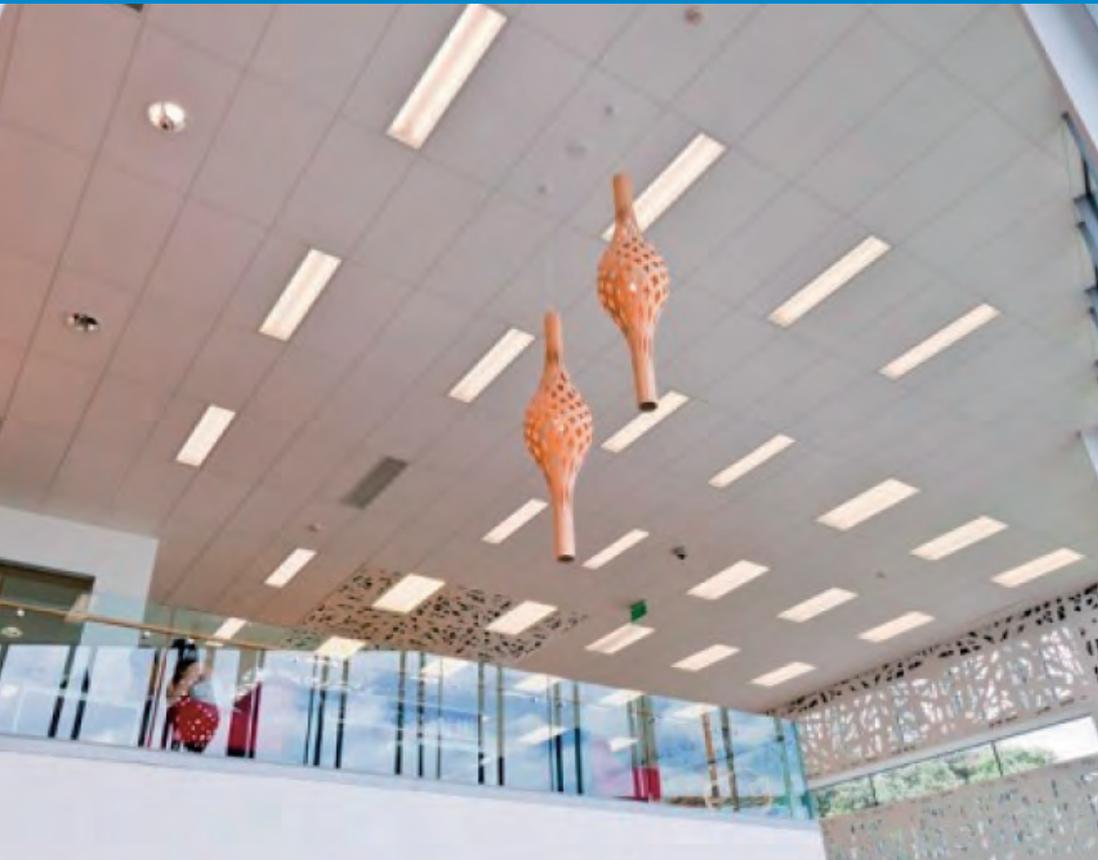
Moisture Content
2% - JIS A 6301

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

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99



Surface pattern : New Venus B-pin (MV)

MV(RH 99*)

Key Attributes

Features & Benefits:-

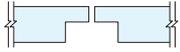
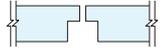
- Acoustic Ceiling tiles have an appealing stipple texture with a scattered micro pinhole finish.
- Mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) to enhance classroom hearing.
- High Light Reflectance surface (LR-0.82) to reduce light fixtures which able to increase the energy efficiency of a space
- Excellent choice for large scale ceiling area.
- Semi-Concealed , Shiplap & Custom size are available
- Non-Asbestos

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

Applications:

- Schools
- Music Studio
- Auditorium
- Banks
- Boardroom
- Call Centres
- Live Radio broadcasting Station

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 4 Sides: Trimmed	T24 FUT-24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 4 Sides: Reveal	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 4 Sides: Narrow Reveal	T15 FUT-15

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

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99



Surface pattern : New Venus ϕ 9pin
(MV-NRC)

3/4 MV-NRC(RH 99)

Key Attributes

Features & Benefits:-

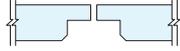
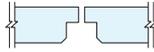
- Acoustic Ceiling tiles have an appealing stipple texture with a scattered micro pinhole finish.
- Mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) to enhance classroom hearing.
- High Light Reflectance surface (LR-0.82) to reduce light fixtures which able to increase the energy efficiency of a space
- Excellent choice for large scale ceiling area.
- Semi-Concealed , Shiplap & Custom size are available
- Non-Asbestos

Note: Ceiling installed within temperature of 0°C to 49°C and relative humidity up to 99%

Applications:

- Education
- Music Studio
- Auditorium
- Management Meeting rooms
- Hotels
- Call Centres
- Live Radio broadcasting Station

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	3/4"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 <p>4 Sides: Trimmed</p>	T24 FUT-24
Beveled Reveal Board	3/4"	600mm x 600mm (O.C)BR 600mm x 1200mm (O.C)BR	 <p>4 Sides: Beveled Reveal</p>	T24 FUT-24
Narrow Beveled Reveal Board	3/4"	600mm x 600mm (O.C)NBR 600mm x 1200mm (O.C)NBR	 <p>4 Sides: Narrow Beveled Reveal</p>	T15 FUT-15

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

Sound Absorption Coefficient
3/4 : NRC 0.70

Ceiling Attenuation Class
CAC : 36

Light Reflectance
0.80 & above

Country Of Origin
Made In Japan

MP(RH 99*)



Surface pattern : Plain (MP)

MP(RH 99*)

Key Attributes

Features & Benefits:-

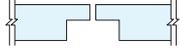
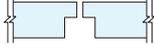
- Non-fissured, with a smooth white painted surface.
- This is a favoured tile with contractors due to its robust dust free friendly nature.
- It is suitable for use in offices, shops and other commercial interiors where a white monolithic look is desired
- Non-Asbestos

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

Applications:

- Boutiques
- Supermarket
- Café / Restaurants
- Nursery
- Reception
- Changing room
- Dental Care Unit

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Lay-in Board	1/2", 5/8"	24" X 24" (O.C) 24" X 48" (O.C) 600mm x 600mm (O.C) 600mm x 1200mm (O.C)	 4 Sides: Trimmed	T24 FUT-24
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 4 Sides: Reveal	T24 FUT-24
Narrow Reveal Board	5/8"	24" X 24" (O.C)NR 24" X 48" (O.C)NR 600mm x 600mm (O.C)NR 600mm x 1200mm (O.C)NR	 4 Sides: Narrow Reveal	T15 FUT-15

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
5/8 : NRC 0.15

Country Of Origin
Made In Japan

* Note : 1/2" thickness not RH99



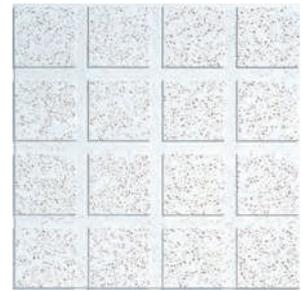
MLC10N



MLC20N



MLC40N



MLC41N

MLC

Key Attributes

Features & Benefits:-

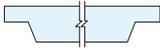
- Coordinate Series Mineral Fibre Acoustic ceiling tiles have a white non-directional fissured scored board surface. This tile is a higher range product with good detailing, recommended for commercial application where a point of difference is required.
- The manufacturing process offers clean precise scoring lines.
- The Coordinate tile has a medium Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) to prevent sound transfer through the ceiling plenum.
- Less likely to emit gas or smoke, or melt, break or become deform under normal fire conditions.
- Non-Asbestos
- 0% Formaldehyde

Note: Ceiling installed relative humidity up to 80%

Applications:

- Classroom
- Cinema
- Cafeteria
- Department stores
- Offices
- Healthcare

Product Specification

EXCELSTONE MR	Nominal Thickness	Standard Size	Edges	Grid option
Reveal Board	5/8"	24" X 24" (O.C)R 24" X 48" (O.C)R 600mm x 600mm (O.C)R 600mm x 1200mm (O.C)R	 4 Sides: 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

Country Of Origin
Made In Japan

EXCELSTONE (DL series)



EXCELSTONE (DL series) – Double Layer / Tongue & Groove System

Key Attributes

Features & Benefits:-

- EXCELSTONE (DL series) is a high density tongue and groove mineral fibre ceiling tile with a white painted finish designed for direct fix applications to new and existing gypsum board or timber battens.
- This negates the need for an exposed grid enhancing its highly visual appeal. No additional painting required.
- EXCELSTONE (DL series) is a mid-range tile with superior noise absorption and efficient thermal insulation (more than 6 times of gypsum board), while resisting sound transmission more effectively than glass fibre products.
- Due to its high density and fine grained substrate, Daiken can achieve unique and high quality detailing in their tiles. These tiles have outstanding fire resistance.
- With invisible ceiling grid, concealed appearance and can integrate service installations such as lighting, ventilation and smoke detectors.
- Non-Asbestos

Applications:

- Banks
- Hotels
- Ballrooms
- Childcare Centres
- Laboratories
- Hospitals
- Redecoration
- Auditorium
- Gymnasiums
- Residential



RIB 101



RIB 181



RIB 341



RIB 361



for border (9mm & 12mm)

DAIKEN

EXCELTONE (DL series)

EXCELTONE DL		Adhesive and Nails Tile	
Nominal Thickness		12mm, 15mm, 19mm (9mm or 12mm base)	
Standard Size		300 x 600mm	
Edges	12mm	RIB 101 	RIB 361
		RIB 101 	RIB 181
	15mm	RIB 341 	RIB 361
		RIB 101 	RIB 101A12
	19mm	RIB 361 	RIB 361A12

Thickness Specification

1) 12mm base + RIB

19mm	300 x 600mm	RIB 101A12, 361A12
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2) 9mm base + RIB

12mm	300 x 600mm	RIB 101, 361
15mm	300 x 600mm	RIB 101, 181, 341, 361
19mm	300 x 600mm	RIB 101, 361



TOHO Cinemas Namba (Osaka Japan)

DAIKEN ORIGINAL COLORS

In 30 basic colors for EXCELTONE

DAIKEN "ORIGINAL COLOR"

Daiken "Original Color" is the special color of your choice which will be painted on EXCELTONE (DL series) in the factory. 30 colors are available to match with your building's image.

*All products are manufactured after receipt of your order, so painting cost will be added to the product price.

■ Cautions when ordering

- The Munsell value and the approximate color number by the Japan Paint Manufacturers Association indicated by each color are for reference only. Please note that orders using Munsell value and/or approximate color number by the Japan Paint Manufacturers Association are not accepted.
- Color chip numbers are distinguished by using the following classification:

Example R1: H19-85B(10YR8.5/1)

Please use color number (R1) to order.



Important

- The finished color painted on the EXCELTONE tiles varies from the color sample. Be sure to always check the painted actual sample.
- Please be noted that orders for custom colors are limited to the 30 EXCELTONE colors listed below, including brightness, saturation, and hue. Also in this case, be sure to always check the painted actual sample before ordering.

COLOR LIST

color tone Hue	W	P	LtGy • LtG
R (red)	R1 : H19-85B(10YR 8.5/1)	—	—
YR (yellow red)	YR1 : H19-85C(10YR 8.5/1.5)	YR2 : H19-90D(10YR 9/2) YR3 : H17-90D(7.5YR 9/2)	YR4 : H17-80D(7.5YR 8/2)
Y (yellow)	Y1 : H25-90C(5Y 9/1.5) Y2 : H22-85D(2.5Y 8.5/2)	Y3 : H22-85F(2.5Y 8.5/3) Y4 : H25-85C(5Y 8.5/1.5)	Y5 : H22-80D(2.5Y 8/2) Y6 : H22-85H(2.5Y 8.5/4) Y7 : H22-80H(2.5Y 8/4) Y8 : H22-75D(2.5Y 7.5/2)
GY (green yellow)	GY1 : H25-85B(5Y 8.5/1) GY2 : H29-85B(10Y 8.5/1)	GY3 : H25-80C(5Y 8/1.5)	—
G (green)	G1 : H32-90D(2.5GY 9/2)	G2 : H35-80D(5GY 8/2) G3 : H35-80B(5GY 8/1)	—
B (blue)	B1 : H35-90B(5GY 9/1)	B2 : H45-80B(5G 8/1)	B3 : H65-70D(5B 7/2)
PB (purple blue)	—	PB1 : H35-85A(5GY 8.5/0.5) PB2 : H55-85B(5BG 8.5/1)	—
P (purple)	P1 : H19-90B(10YR 9/1)	—	—
N (achromatic color)	N1 : H25-90B(5Y 9/1) N2 : H22-85B(2.5Y 8.5/1)	N3 : H25-80A(5Y 8/0.5)	N4 : H25-75A(5Y 7.5/0.5) N5 : HN70(N7)



EXCELTONE (DL series)

– Antibacterial and deodorant treatment
are available in EXCELTONE (DL series)

Anti-bacterium examination result

Bacteria	Specimen	Viable bacteria count / specimen (24 hours later)
Escherichia coil (3.6×10^4)	regular tile (non-Anti-bacterium coating)	1.1×10^2
	Anti-bacterium coating	<10
	bacteria specimen	2.6×10^6
Pseudomonas aeruginosa (4.5×10^4)	regular tile (non-Anti-bacterium coating)	7.8×10^6
	Anti-bacterium coating	10
	bacteria specimen	2.2×10^6
MRSA mejjishirin methicillin resistant staphylococcus aurei (3.8×10^4)	regular tile (non-Anti-bacterium coating)	10
	Anti-bacterium coating	<10
	bacteria specimen	1.2×10^6

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.

border tiles of EXCELTONE (DL series)



Keihan Railway Kyobashi Station (Osaka Japan)

EXCELSTONE (DL series)

– R Curve Ceiling

Features

“slits” or “slits + G.J.plates” at the back for curving tile

Tiles available

RIB type 12, 15 and 19mm

For border



Type A/B



Type C



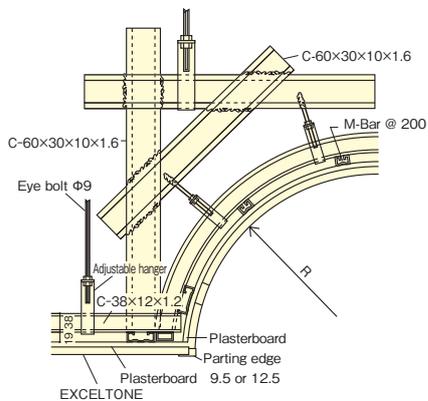
☐ convex curve

- Type A : U-shape slits for curving short length (300mm)
- Type B : U-shape slits + G.I. plates for curving short length (300mm) for shorter radius
- Type C : U-shape slits for curving long length (600mm)

☐ concave curve

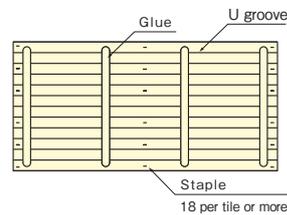
- Type A : U-shape slits for curving short length (300mm)
- Type B : U-shape slits + G.I. plates for curving short length (300mm) for shorter radius
- Type C : U-shape slits for curving long length (600mm)

Cross-section of a construction



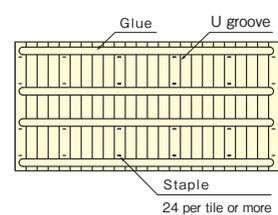
Gluing position, stapling position and number of staples

[Type A/B]



Do not staple the U-groove area and the galvanized sheet iron portion of Type B.

[Type C]



Do not staple the U-groove area.



Kansai University of Foreign Studies (Osaka Japan)



Keihan Railway Kyobashi Station (Osaka Japan)

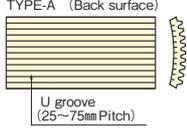
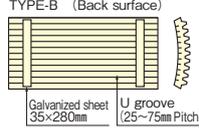
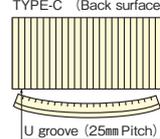


OS cinemas M-INT KOBE (Hyogo Japan)

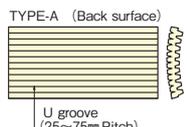
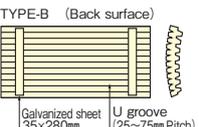
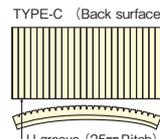
EXCELSTONE (DL series)

– R Curve Ceiling Project References

CONVEX CURVE

COVEX CURVE		CURVE SHORT LENGTH			CURVE LONG LENGTH	
TYPE	STANDARD TILE	TYPE-A (Back surface) 	TYPE-B (Back surface) 	STANDARD TILE	TYPE-C (Back surface) 	
RIB19mm	101	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	R=4,000 or more
	361	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	(* 1)
	101A12	R=4,000 or more	R=1,000 or more	R=800 or more	R=6,000 or more	R=3,500 or more
	361A12	R=4,000 or more	R=1,000 or more	R=800 or more	R=6,000 or more	(* 1)
RIB15mm	101	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	R=3,500 or more
	361	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	(* 1)
	341	R=3,000 or more	R=1,500 or more	R=1,000 or more	R=5,000 or more	(* 1)
RIB12mm	101	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	R=3,000 or more
	361	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	(* 1)
for border	12mm	R=3,000 or more	R=1,000 or more	R=800 or more	R=5,000 or more	R=2,000 or more
	9mm	R=2,500 or more	R=1,000 or more	R=800 or more	R=4,000 or more	R=1,500 or more

CONCAVE CURVE

COVEX CURVE		CURVE SHORT LENGTH			CURVE LONG LENGTH	
TYPE	STANDARD TILE	TYPE-A (Back surface) 	TYPE-B (Back surface) 	STANDARD TILE	TYPE-C (Back surface) 	
RIB19mm	101	R=3,000 or more	R=1,000 or more	R=500 or more	R=5,000 or more	R=4,000 or more
	361	R=3,000 or more	R=1,000 or more	R=500 or more	R=5,000 or more	(* 1)
	101A12	R=4,000 or more	R=1,000 or more	R=500 or more	R=6,000 or more	R=3,500 or more
	361A12	R=4,000 or more	R=1,000 or more	R=500 or more	R=6,000 or more	(* 1)
RIB15mm	101	R=3,000 or more	R=1,000 or more	R=500 or more	R=5,000 or more	R=3,000 or more
	361	R=3,000 or more	R=1,000 or more	R=500 or more	R=5,000 or more	(* 1)
	341	R=3,500 or more	R=1,200 or more	R=700 or more	R=5,000 or more	(* 1)
RIB12mm	101	R=3,000 or more	R=1,000 or more	R=500 or more	R=5,000 or more	R=2,000 or more
	361	R=3,000 or more	R=1,000 or more	R=500 or more	R=5,000 or more	(* 1)
for border	12mm	R=3,000 or more	R=1,200 or more	R=500 or more	R=5,000 or more	R=2,000 or more
	9mm	R=2,500 or more	R=1,000 or more	R=500 or more	R=4,000 or more	R=1,500 or more

U - shape slits in Type C is available only "linear type" RIB tile, 101 , 101A12.

* 1 Use "cross type" RIB tile in case curving long length (type C)

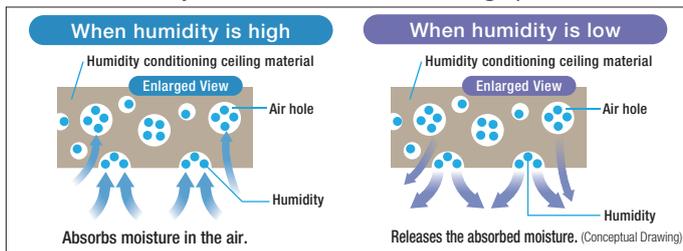


EXCELSTONE (DL series)

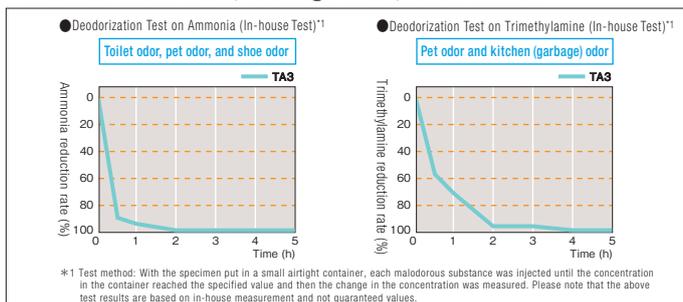
– Healthy Ceiling TA3

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

■ Stable Humidity Condition deliver refreshing space



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



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

■ Labels Related to Public Certifications and Industrial Associations



■ Premium Features



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

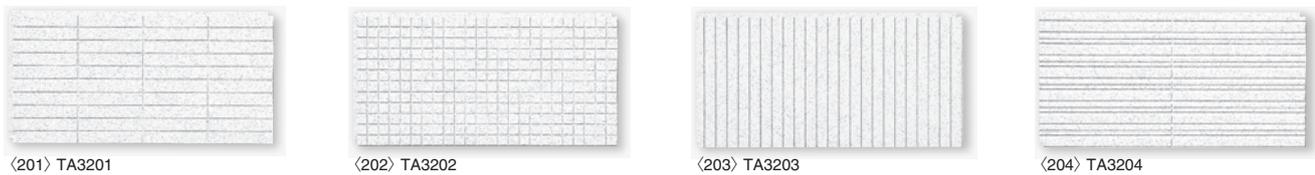
FLAT



PATTERN



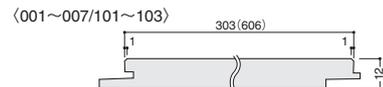
RIB/GRID



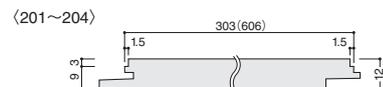
Specifications

- Dimensions ▷ 12 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 18 pieces (3.3m²) per case
- Base material ▷ Humidity conditioning rock wool acoustic board (12mm)
- Surface finish ▷ Pinhole and rib processing (<201/202/203/204> 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.

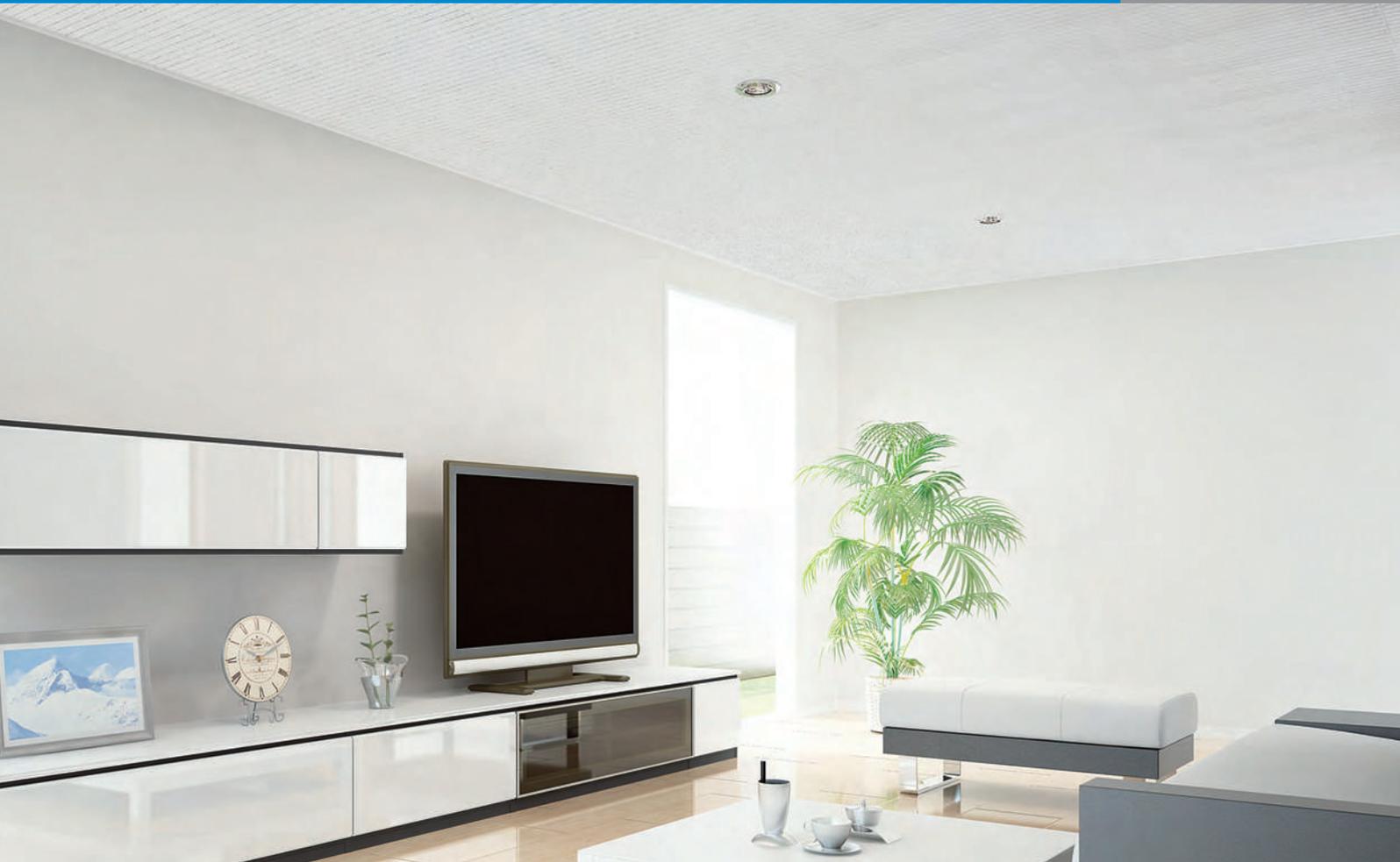


* <FLAT> and <PATTERN> products are intended for installation on the entire ceiling and therefore have no striped.



* 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 (DL series)

– Healthy Ceiling TA4

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

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

● Comparison of Reverberation Time Simulation Results (based on the sound absorption coefficient measurements on flooring)

When ceiling is finished with gypsum boards and vinyl cloth wallpaper ● Reverberation time: Approx. 1.4 s/500 Hz (in 20-mat tatami room)

When ceiling is finished with CLEARSTONE ● Reverberation time: Approx. 0.6 s/500 Hz (in 20-mat tatami room)

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.

■ **Pinhole-processed Surface for Enhanced Sound Absorption**

TA4 <203> Enlarged View

Pinhole-processed surface ensures superb sound absorption performance.

■ **Comparison of Formaldehyde Absorption Performance Test Results*1**

General Vinyl Cloth Wallpaper Finish	CLEARSTONE
0.11ppm	0.07ppm

*1 Environmental specifications for formaldehyde absorption test: Room temperature at 30°C, relative humidity at 50%, ventilation frequency 0.5 time/hour (in-house measurement), 6-mat tatami room, CLEARSTONE 12S installation area rate 19%
 * Installation area rate: Installation area of the CLEARSTONE 12S ceiling material divided by the entire surface area of room (including openings)
 The measured test results in *1 are based on our laboratory measurement data and vary depending on installed furniture/interior equipment, temperature, airtightness, room size or plan, or other conditions.

■ Labels Related to Public Certifications and Industrial Associations

Formaldehyde Labeling Exempted Product	4VOC Standards Compliant	Quasi-noncombustible
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■ Premium Features

Low VOC	Formaldehyde Absorption	DAIKEN ECO
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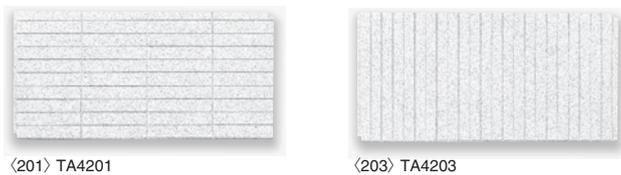
FLAT



PATTERN



RIB/GRID

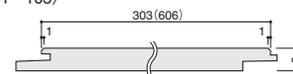


Specifications

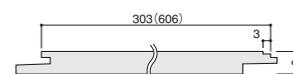
- Dimensions ▷ 9 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 18 pieces (3.3 m²) per case
- Base material ▷ Rock wool acoustic board
- Surface finish ▷ Pinhole and rib processing (<201/203> only), emboss (except for <201/203>), and acrylic emulsion coating
- Edge processing ▷ 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.

(001~007/101~103)



(201/203)



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EXCELSTONE (DL series)

– Healthy Ceiling TA7

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



Wipeable Ceiling Material



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

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

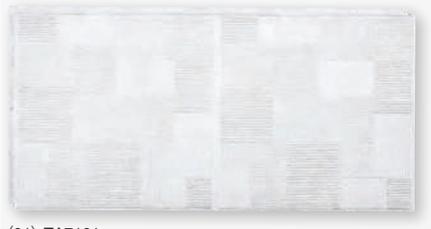
■ Labels Related to Public Certifications and Industrial Associations



■ Premium Features



TA7



(01) TA7101

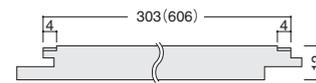


(02) TA7102

Specifications

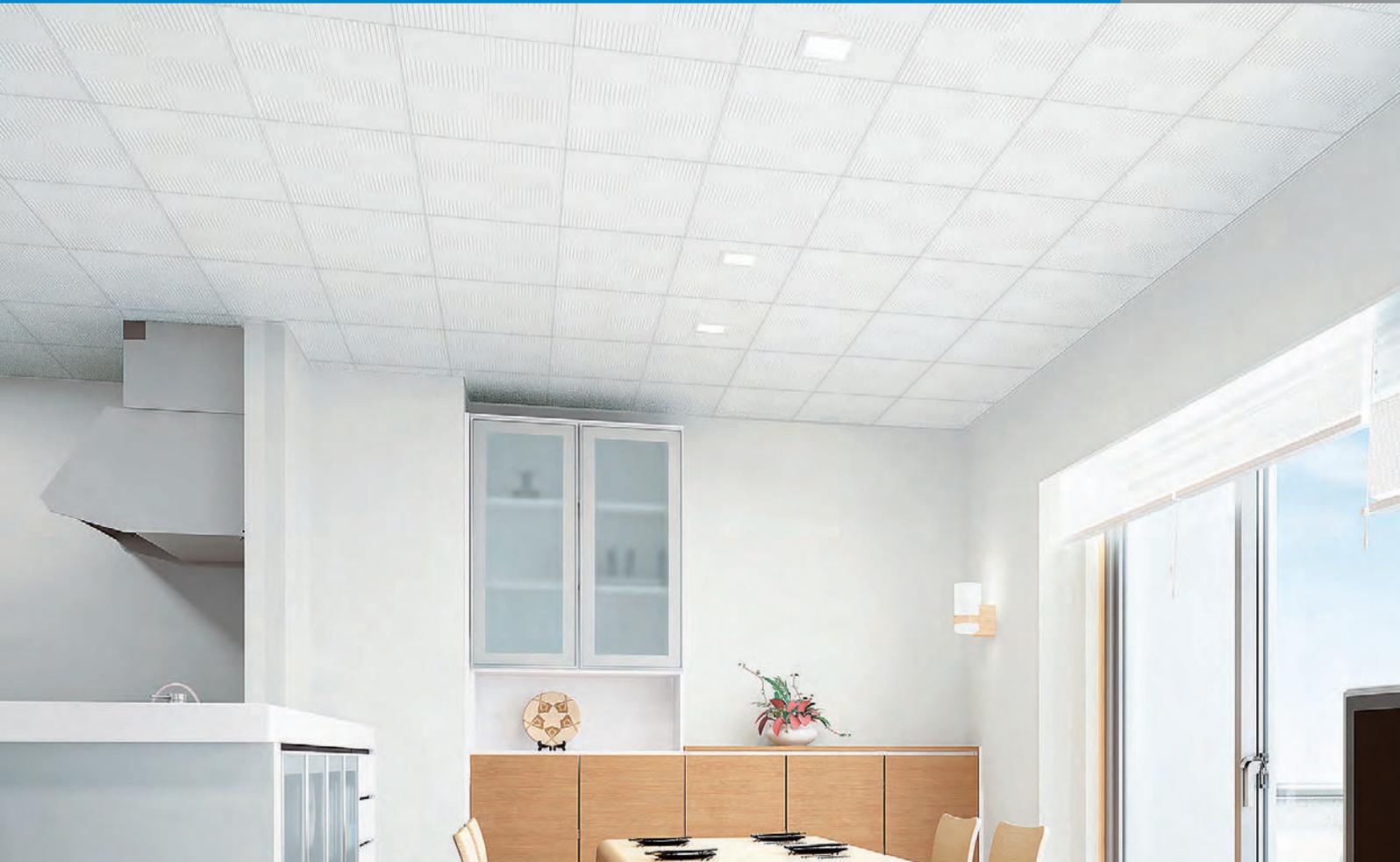
- Dimensions ▷ 12 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 18 pieces (3.3m²) per case
- Base material ▷ Rock wool acoustic board
- Surface finish ▷ Emboss, acrylic emulsion coating (clear pearl top coat)
- Edge processing ▷ Tongue-and-groove joint on all sides
- Certifications ▷
 - 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



The value in parentheses indicates the dimension on long sides.

- * The performance values and the certification labels are based on the Japanese test method and standards.
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EXCELSTONE (DL series)

– Healthy Ceiling TA6

- Recommended for heavy user
kitchen and Living Room Ceilings



Wipeable Ceiling Material

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.

- Reasonably Priced Ceiling Material with a Simple Design

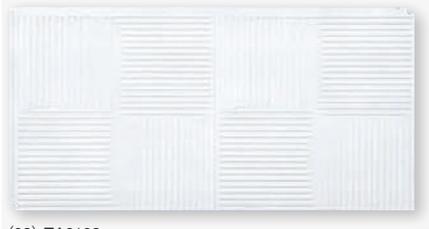
■ Labels Related to Public Certifications and Industrial Associations



■ Premium Features



TA6



(03) TA6103

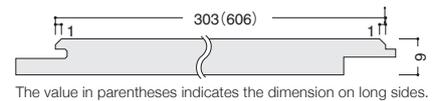


(04) TA6104

Specifications

- Dimensions ▷ 9 mm thick, 303 x 606 mm
- Packing material quantity ▷ Cardboard case, 18 pieces (3.3m²) 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



- * 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 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.

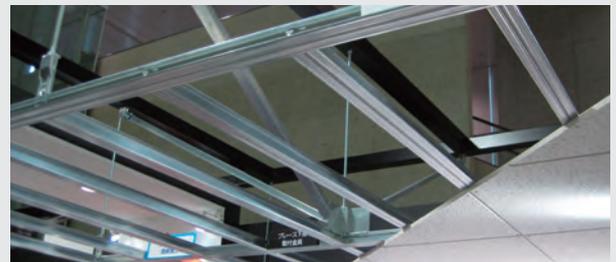
This solution uses a ceiling underlayment material that combines the benefits of conventional ceilings with those of system ceilings.

Benefits of Conventional Ceiling Method

- Flexible design
- Usable for buildings in a variety of applications

Benefits of New Ceiling Method

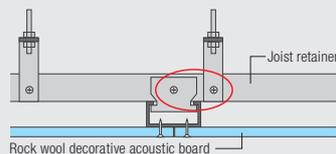
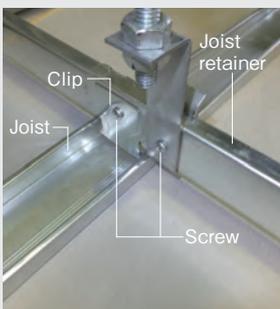
- High rigidity through the use of grid assembly
- Utilized design for less workload and shorter construction period



Earthquake resistance and workability improvement with comfortable indoor environment maintained

Simplified Construction with Improved Safety

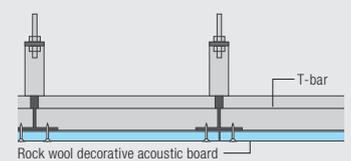
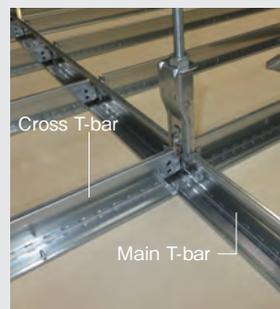
Improving Seismic Performance with Conventional Ceiling Method



- 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)

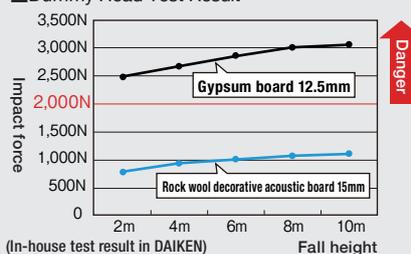


*Construction is performed in accordance with "Practical Guide on the Technical Standards concerning Measures to Prevent the Fall of Ceilings in Buildings" based on Notification No.771 of the Ministry of Land, Infrastructure, Transport and Tourism.

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.

■ Dummy Head Test Result



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/m²

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

Weight of Ceiling in New Method
8kg/m²

*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



With a diverse lineup of functions, performance, size, and design, Daiken ceiling materials come with a selection of optimum Installation systems for each purpose. Including the most popular and economical Exposed T-BAR System, can be selected depending on the structure, ceiling construction, design concept, and budget. Easy maintenance also enables Daiken ceiling materials to offer longer ceiling life.

INSTALLATION GUIDE

EXPOSED T-BAR SYSTEM (Lay-in)

One of the most popular ceiling systems, this system permits easy installation and maintenance. Labor and time can be saved by adopting this system.



SEMI-CONCEALED T-BAR SYSTEM

This system realizes a beautiful line design, since T-bars run in one direction. Also, lighting can be easily installed.



EXPOSED T-BAR SYSTEM (Tegular)

Using reveal processing, this system permits an attractive design in which a pattern formed by square or rectangular tile edges extends over the entire surface of the ceiling.



SEMI-CONCEALED SHIPLAP T-BAR SYSTEM

Permitting easy installation, this system uses a bold ceiling design in which long lines run in one direction. In this system, the longer sides of the tiles are "shiplap" jointed.



EXPOSED SLIM-LINE T-BAR SYSTEM (Tegular)

This system uses a design in which slim lines extend over the entire surface of a ceiling. It permits a beautiful finish, with metal fittings almost hidden.

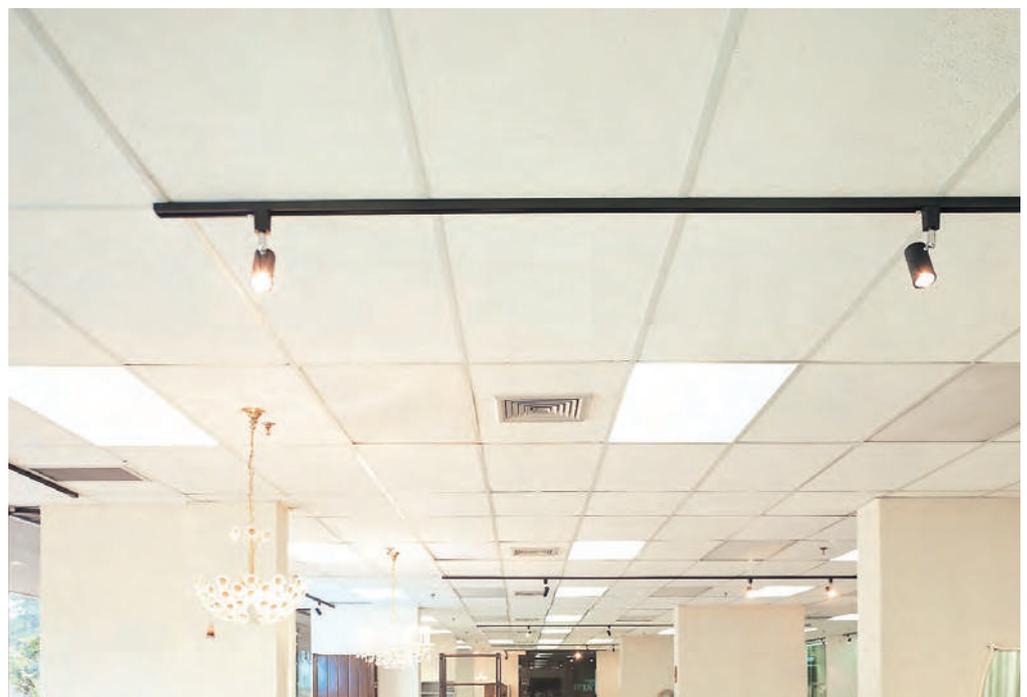
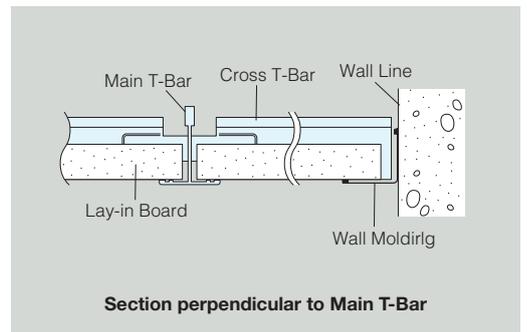
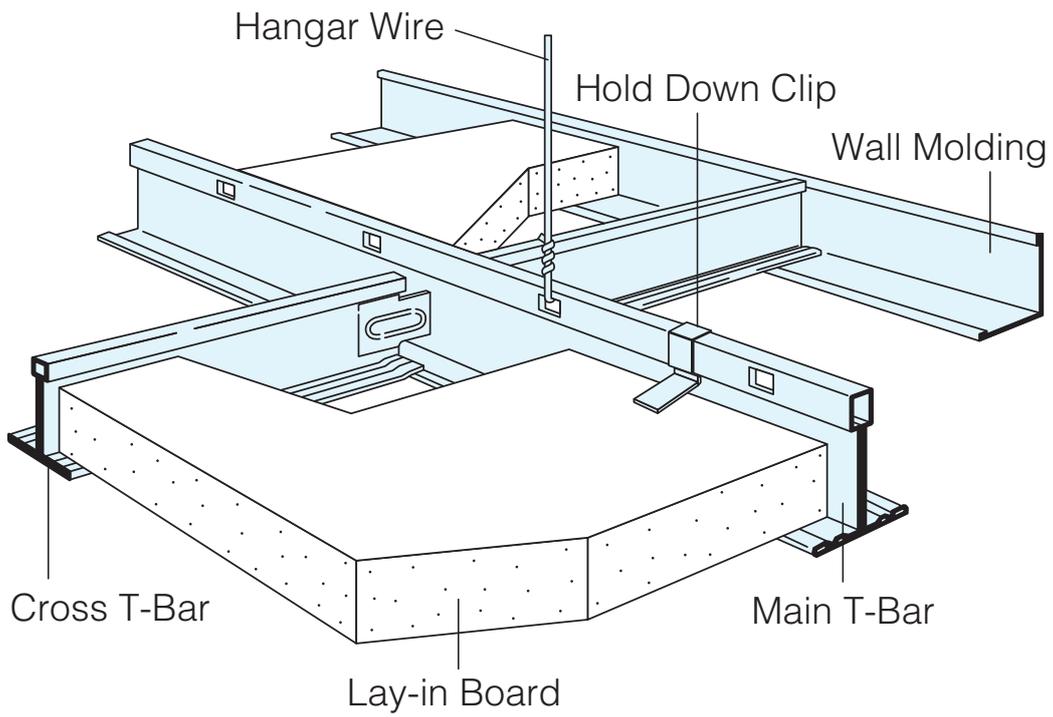


ADHESIVE AND NAILS SYSTEM

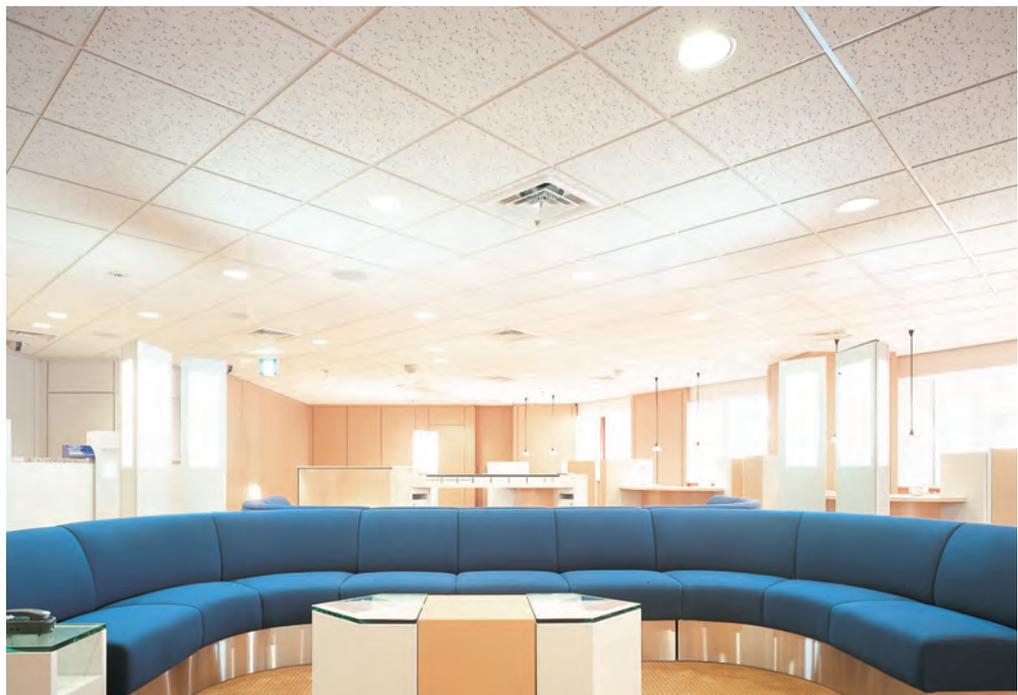
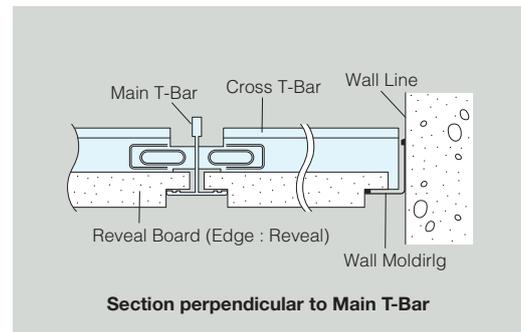
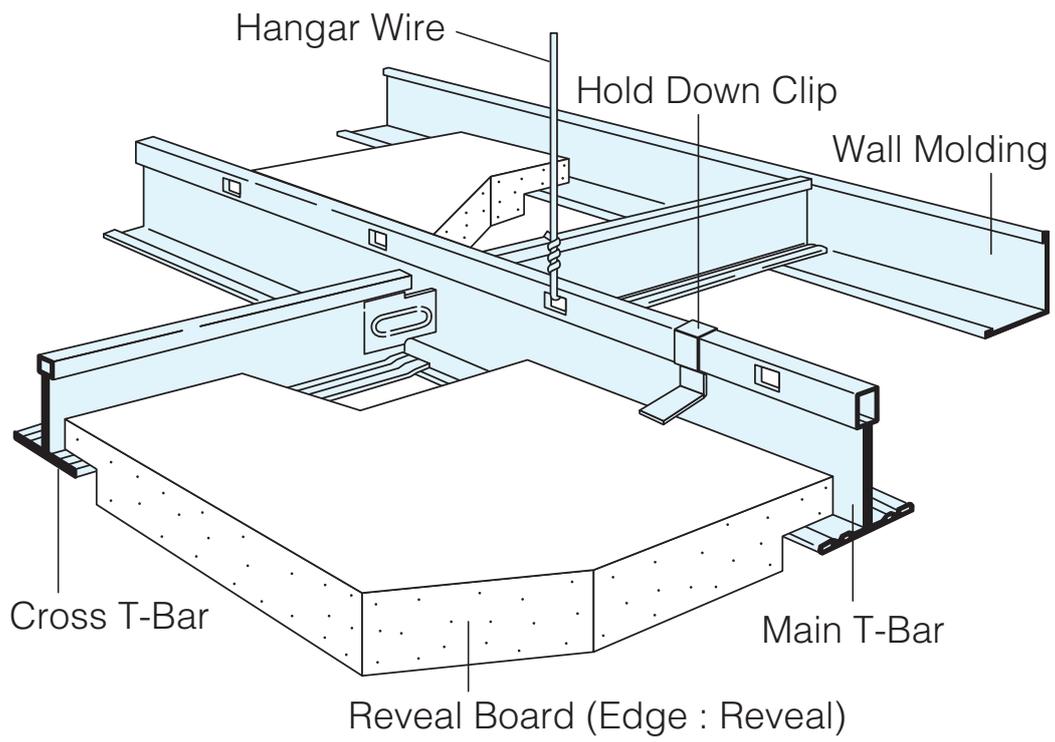
A basic system, this system uses adhesive and nails or staples for ceiling installation. High-quality flat ceilings can be installed using this system.



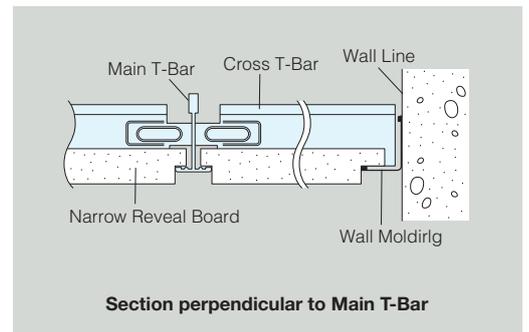
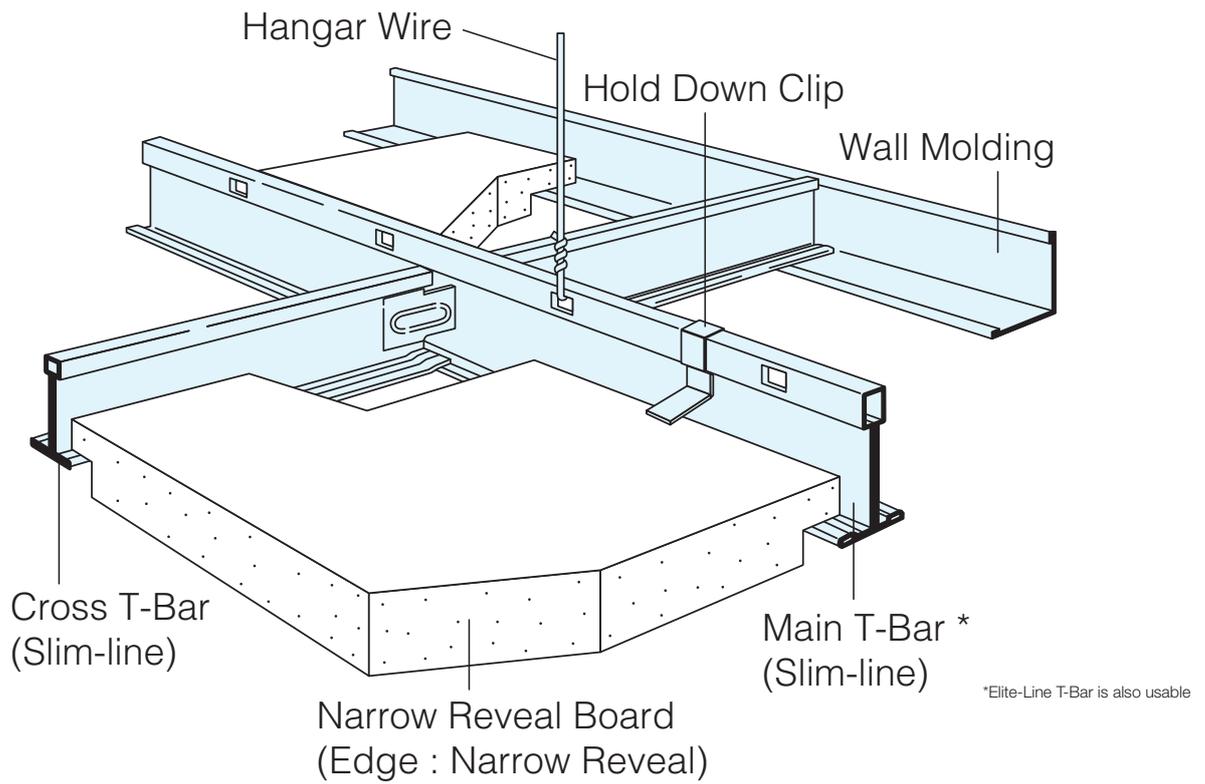
EXPOSED T-BAR SYSTEM (Lay-in)



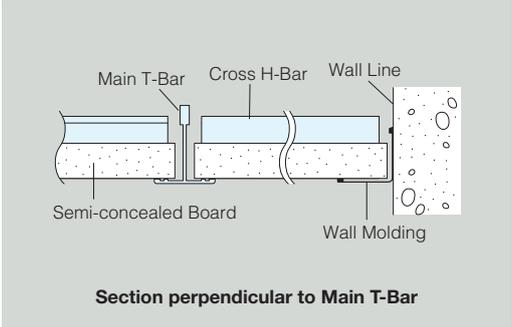
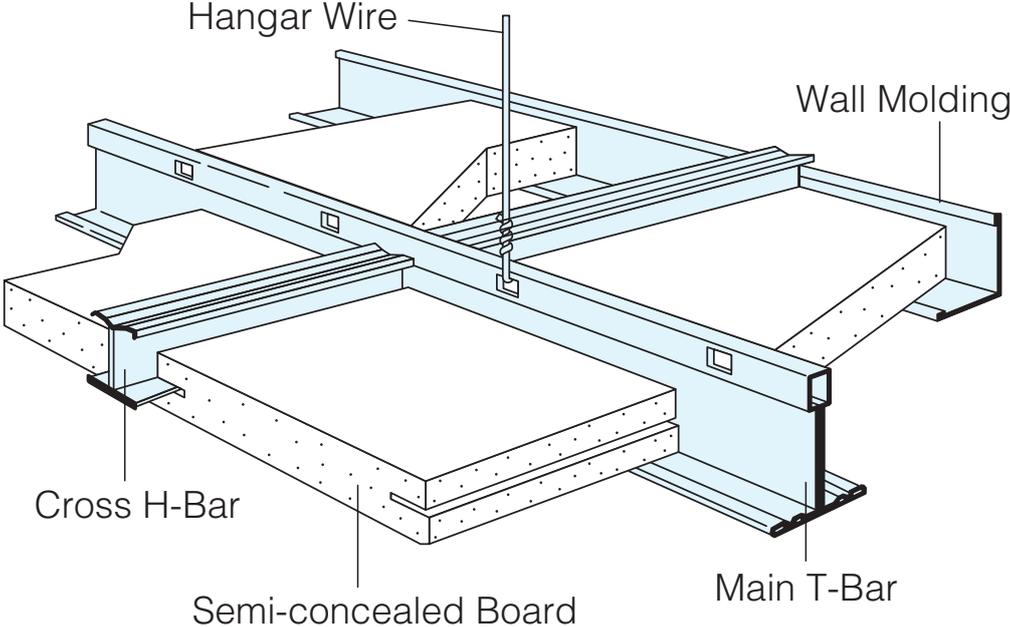
EXPOSED T-BAR SYSTEM



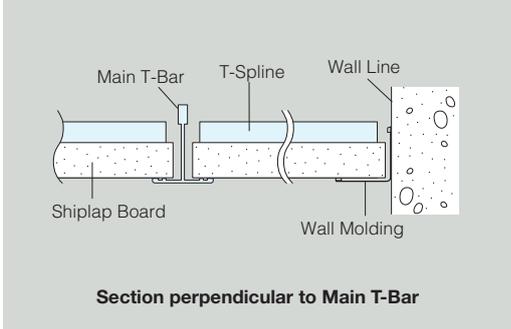
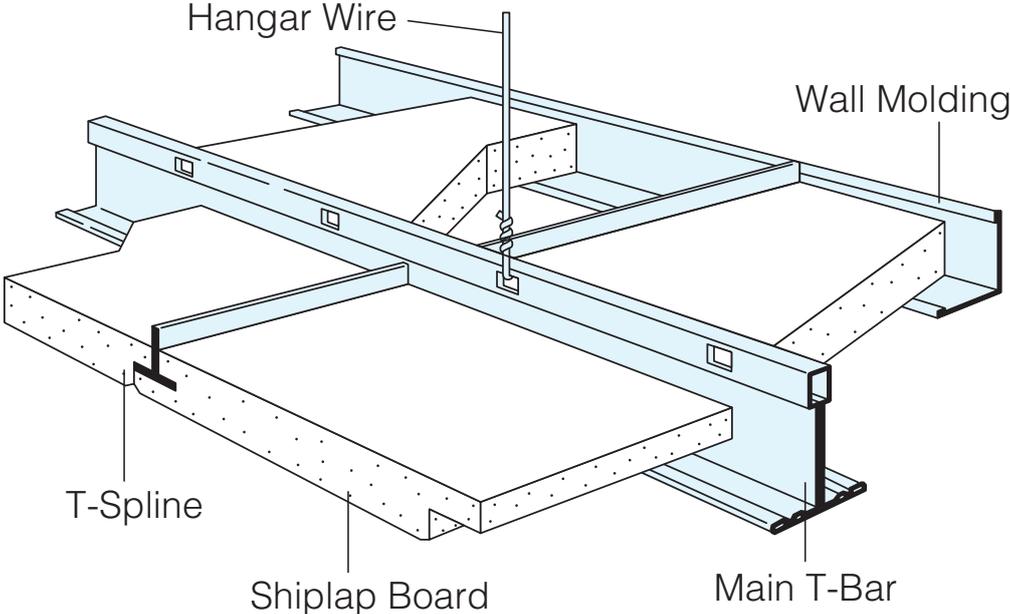
EXPOSED SLIM-LINE T-BAR SYSTEM



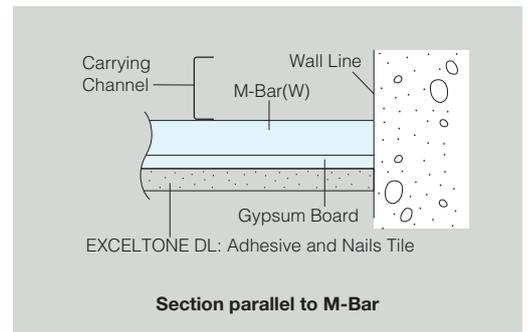
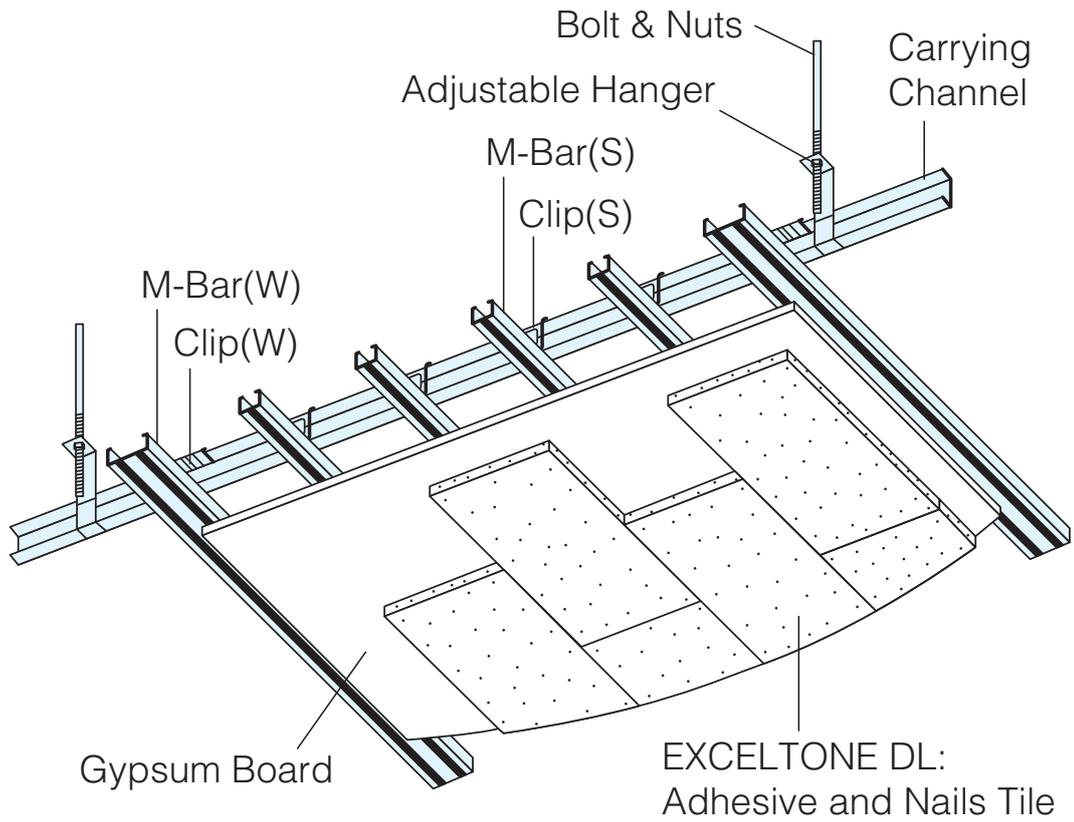
SEMI-CONCEALED T-BAR SYSTEM



SEMI-CONCEALED SHIPLAP T-BAR SYSTEM



ADHESIVE AND NAILS SYSTEM



Construction Case



Ceiling : Travertine 12mm (Non-combustible Eaves Ceiling)
Kyoto Station building (Kyoto Japan)



Ceiling : Travertine 12mm
Kansai University of Foreign Studies (Osaka Japan)



Ceiling : Travertine 9mm (Hybrid Ceiling)
Meiji Gakuin University (Tokyo Japan)



Ceiling : RIB 101 15mm (Curve Ceiling)
Keihan Railway Kyobashi Station (Osaka Japan)



Ceiling : Travertine 12mm (hybrid Ceiling)
Hinomoto school chapel ridge



Ceiling : RIB101 12mm (Curve Ceiling)
OS cinemas M-INT KOBE (Hyogo Japan)

NOTES FOR INSTALLATION

Trouble-free installation, satisfactory ceiling finish and the long life of DAIKEN mineral acoustical materials can be ensured by observing the following recommendations.

JOB SITE STORAGE

DAIKEN mineral acoustical materials should be stored in a dry and clean area protected from possible damage by rain, snow, and excessive moisture. If these acoustical materials are exposed to large variations of humidity or temperature, swelling and shrinkage can result. The acoustical materials should be also be protected against possible impacts and abrasions and kept at least one meter away from walls.

Stack the materials flat on a level floor with protective panels or sheets between the materials and the floor.

HANDLING

Acoustical materials should be handled with care to prevent impact or damage to edges, ends and surface.

Handle these materials with clean hands or gloved hands.

INSTALLATION CONDITIONS

- A. Allow wet work, such as plaster and concrete work, to dry completely.
- B. Water-proofing and flashing work should be completed. Windows and doors should be in place and glazed.
- C. Conduits and duct work should be completed.
- D. Care should be taken to place air-conditioning vents and other mechanical fixtures conveniently within the suspension system.
- E. Installation should be done when relative humidity is not greater than 80%. (except EXCELTONE MR series in thickness of 5/8" and 3/4"). Avoid installing the materials if relative humidity exceeds 80%. Daily checks of humidity conditions during the installation period are suggested.
- F. There should be adequate ventilation in the installation area if the building is new and humid conditions prevail. Before beginning installation, make certain that there is no condensation on the wall surfaces. Also, the heating system should be operating if the weather or installation area is particularly cold.
- G. Damaged or soiled materials should be replaced.

INSTALLATION

Installation should be in accordance with our specifications and recommendations.

GENERAL MAINTENANCE

CLEANING:

Dust and loose dirt can be easily removed with a brush or a vacuum cleaner. Take care to clean in one direction only. This will prevent dust from being rubbed into the surface. An alternative method of cleaning is with a moist cloth or a sponge dampened in soapy water. The sponge should be wrung dry. Use gentle strokes to wipe surfaces. After washing, the soapy film should be wiped off with a cloth or sponge slightly dampened in clean water.

REPAINTING:

DAIKEN mineral acoustical materials can be repainted by spraying, brushing, or roll coating without appreciable loss of acoustical efficiency. Dust and dirt should be thoroughly removed from the ceiling surface before repainting. Care should be taken to avoid applying paint thick enough to cover the perforations or fissures in the material. It is a good idea to test the paint on a small area or on a scrap of material, or surface stains bleed through the paint film., choose another paint. Regardless of the method of paint application employed, a good grade of paint from a reputable manufacture should be used. Acrylic, vinyl, latex, or alkyd paint for interior use may be applied.

SELECTING LIGHTING

When selecting any type of lighting, it is always advisable to consider the effect it will have on the appearance of an acoustical ceiling. The most functional of all types of lighting is the flush, recessed fixture commonly used with suspended acoustical ceilings. Where light from fixture, cove lights or high windows strikes the surfaces at a shallow angle, even slight unevenness of joints may result in unsatisfactory appearance. Under such conditions beveled edge materials should be used in preference to square edge materials, and should be installed with considerable care.

SPECIFICATION GUIDE

I SCOPE

- A. The installation of all acoustical work covered in this section shall be a qualified acoustical contractor.
- B. The acoustical contractor shall furnish all labor, materials and equipment necessary to complete the acoustical work in accordance with this section of the specifications and the applicable drawings.
- C. Substitutions will not be permitted for materials and method covered in this section.

II GENERAL CONDITIONS

- A. DAIKEN mineral acoustical materials shall not be used as support for or carry the loading of additional insulation, lighting, fixtures, etc.
- B. The acoustical contractor shall be responsible for the examination and acceptance of all surfaces and conditions affecting the proper installation of this materials, and shall not proceed until all unsatisfactory conditions have been corrected by others.
- C. All acoustical materials shall be installed by accepted installation practices.

III INSTALLATION

- A. The acoustical contractor shall furnish and install DAIKEN mineral acoustical materials in strict accordance with DAIKEN' s recommendations in order to provide a satisfactory installation.
- B. The acoustical contractor shall furnish and install the metal suspension system as manufactured by (specified manufacture) in strict accordance with the manufacture's recommendations in order to provide a satisfactory installation.

IV ACOUSTICAL MATERIALS

Lay-in Board:

- A. The acoustical material shall be mineral fiber Exposed Board as manufactured by DAIKEN Corporation, Japan.
- B. The surface pattern shall be (specify pattern) with a dimension of (x x mm); all four edges shall be trimmed to be installed by an approved exposed T-BAR suspension system.
- C. The acoustical materials shall be manufactured by the wet felting process, with a factory applied Emulsion white paint finish having a light reflectance of 75% or more, or with a DAIKEN original color.
- D. The acoustical material shall have sound absorption coefficients of () and transmission losses of ().

SEMI-CONCEALED TILE:

- A. The acoustical material shall be mineral fiber Semi-Concealed Tile as manufactured by DAIKEN Corporation, Japan.
- B. The surface pattern shall be (specify pattern) with a dimension of (x x mm); two longer sides shall be kerf and rabbet, beveled/squared, and the two shorter sides trimmed to be installed by an approved Semi-Concealed T-BAR system.
- C. The acoustical materials shall be manufactured by the wet felting process, with a factory applied washable white paint finish having a light reflectance of 75% or more, or with a DAIKEN's original color.
- D. The acoustical material shall have sound absorption coefficients of () and transmission losses of ().

SPECIFICATION GUIDE

SHIPLAP TILE:

- A. The acoustical material shall be mineral fiber Shiplap Tile as manufactured by DAIKEN Corporation, Japan.
- B. The surface pattern shall be (specify pattern) with a dimensions of (x x mm); the two longer sides shall be shiplapped, beveled edges and the two shorter edges trimmed to be installed by an approved shiplap T-BAR system.
- C. The acoustical material shall be manufactured by the wet-felting process, with a factory applied washable white paint finish having a light reflectance of 75% or more, or with a DAIKEN original color.
- D. The acoustical material shall have sound absorption coefficients of () and transmission losses of ().

REVEALED TILE:

- A. The acoustical material shall be mineral fiber Reveal Tile as manufactured by DAIKEN Corporation, Japan.
- B. The surface pattern shall be (specify pattern) with a dimensions of (x x mm); all four edges shall be revealed to be installed by an approved recessed suspension system.
- C. The acoustical material shall be manufactured by the wet-felting process, with a factory applied washable white paint finish having a light reflectance of 75% or more, or with a DAIKEN original color.
- D. The acoustical material shall have sound absorption coefficients of () and transmission losses of ().

NALLOW REVEAL TILE;

- A. The acoustical material shall be mineral fiber Narrow reveal board as manufactured by DAIKEN Corporation, Japan.
- B. The surface pattern shall be (specify pattern) with a dimensions of (x x mm); all four edges shall be narrow reveal, squared to be installed by an approved recessed suspension system.
- C. The acoustical material shall be manufactured by the wet-felting process, with a factory applied washable white paint finish having a light reflectance of 75% or more, or with a DAIKEN original color.
- D. The acoustical material shall have sound absorption coefficients of () and transmission losses of ().

ADHESIVE & NAILS TILE;

- A. The acoustical material shall be mineral fiber Adhesive & Nails Tile as manufactured by DAIKEN Corporation, Japan.
- B. The surface pattern shall be (specify pattern) with a dimensions of (x x mm); all four edges shall be squared, bevel/square edge, to be installed by an approved adhesive & nails system.
- C. The acoustical material shall be manufactured by the wet-felting process, with a factory applied washable white paint finish having a light reflectance of 75% or more, or with a DAIKEN original color.
- D. The acoustical material shall have sound absorption coefficients of () and transmission losses of ().

GUARANTEE OF EXCELSTONE MR series

DAIKEN Corporation guarantees that "EXCELSTONE MR series Mineral Fiber Ceiling Board in thickness of 5/8" & 3/4" shall have neither sagging nor warping over allowable limits and it is warranted to be free of defects directly attributed to the manufacturing faults for the period of 10 years from the date of installation of ceiling board as long as the material is installed and maintained under the conditions set forth below: Size and pattern should be inquired to DAIKEN Corporation, International Trade Division Tokyo.

1. The ceiling board shall be installed by approved ceiling contractor by us in compliance with DAIKEN's specifications and installation conditions.
2. Installation shall be done in areas free from excessive humidity, chemical fumes, freezing temperature and vibration.
3. Installation shall be done under the conditions of the temperature and relative humidity ranges 10 to 50°C and 0 to 99% respectively. After the installation, the environmental conditions shall be controlled within the said limits.
4. The ceiling board shall not be affected with direct moisture such as leaks or condensation during and after installation.
5. The ceiling board shall not be used to support any other materials.
6. The ceiling board shall be mechanically suspended properly and shall not be cemented no glued to the surface of any other materials.
7. Prior to installation the ceiling board shall be stored in a dry and clean area, enclosed and protected from possible damages by rain, snow, and excessive moisture, and also protected from possible impacts and kept at least one meter off walls. Stack the ceiling boards flat on the floor level with protective panels or sheets between the ceiling boards and the floor.

In spite of the observance of the above conditions, should there be any sagging or warping, it must be informed in a written notice to DAIKEN Corporation, International Trade Division in Tokyo within 30 days after first observed such fact. After inspection and survey of the case and recognized, DAIKEN Corporation shall furnish new material for replacement in the same or similar specification and the equal quantity which is acknowledged by DAIKEN Corporation to be sagged or warped.

The furnishing of such ceiling board for the replacement shall constitute the total liability of DAIKEN Corporation, and DAIKEN Corporation shall not be responsible for any installation or replacement costs, or for incidental or consequential damages of any nature whatsoever.

Creating a space only a sound master like DAIKEN can

A home theater with powerful sound or a room for practicing instruments ...

Build Sound at your will

The joy to build a sound space without compromises with comprehensive soundproofing,
from walls to floor to ceiling.



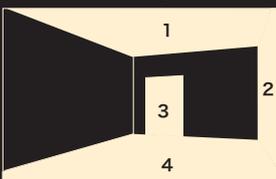
SOUND AMENITY

Product List

Cut off noise and enjoy sound.
Create a comfortable space that resonates deeply
on all five senses.



■ Material Usage Example

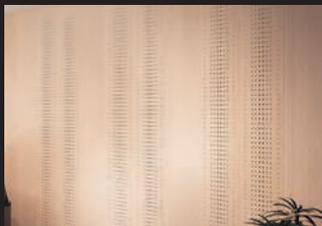


Lesson room



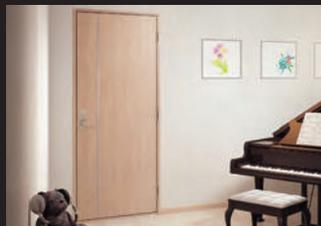
1. Ceiling

Acoustic ceiling and wall materials are incorporated into a solid acoustic design to create an excellent acoustic environment.



2. Acoustic Wall Panels

Wall materials create a healthy comfortable space in which to enjoy the rich qualities of sound.



3. Door

A high-performance soundproof door lets musicians throw themselves into their piece without fear of sound leakage.



4. Floor

For a true musical practice studio, it is important to incorporate sound insulating matting for a soundproof floor.

● Actual colors and textures may vary from those on printed pictures. Be sure to check the actual sample.

This acoustic ceiling material offers a simple, modern design and is perfect for living room theaters, home theaters, piano rooms and other spaces requiring excellent sound absorbing and insulating properties.

Design and Construction Information

- Underlayment System
- Tongue & Groove Joint
- Acoustic & Sound Absorbing

Official Certification and Industry Group-related Declarations

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

Minister for Land, Infrastructure, Transport and Tourism-certified Quasi-Non-Combustible Material QM-9111 [Acoustic Ceiling Panel (Modern) Acoustic Block Sugar 19]
 QM-9108 [Acoustic Ceiling Panel (Modern)15]

Meticulous Performance

- Low VOC
- Formaldehyde Absorption



Ceiling Material: Acoustic Ceiling Panel (Modern) AcousticBlock TB0210
 Acoustic Ceiling Panel (Modern) 15 TB0213



Acoustic Ceiling Panel (Modern) Acoustic Block <Soft Black> TB0210-1
 Acoustic Ceiling Panel (Modern) 15 <Soft Black> TB0213-1
 *<Soft Black> is a made-on-order product.

Acoustic Block

0.57(N.R.C) 28dB / 500Hz

Adopts a rhythmical, router-perforated design.

Recommended for home theaters, piano rooms and other spaces requiring a high level of sound absorption performance.



Acoustic Ceiling Panel (Modern) Acoustic Block TB0210

(9 sheets, 1.65m²)

*Please use Acoustic Ceiling Panel (Modern) 15 for Acoustic Ceiling Panel (Modern) Acoustic Block border boards and lighting bases.

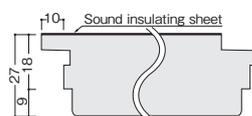
Cross-sectional Composition



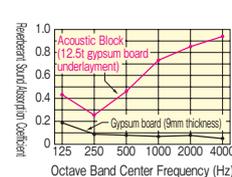
Specifications

Dimensions	27mm thick, 303 x 606mm
Packing material, quantity	Cardboard case, 9 pieces (1.65m ²) per case
Weight	15kg/1.65m ² (surface density 9.1kg/m ²)
Base material	Special rock wool boards
Front surface	Pinhole perforation, ribbing, routing
Back surface	Recycled vinyl chloride resin
	Covering for the high-density sound insulating layer
Edge processing	Four-sided tongue and groove working, right-angle joint
Formaldehyde regulations	Labeling exempted product

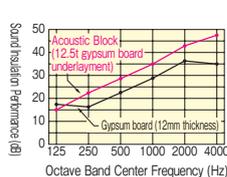
Cross-sectional View



Sound absorption



Sound Insulation Performance



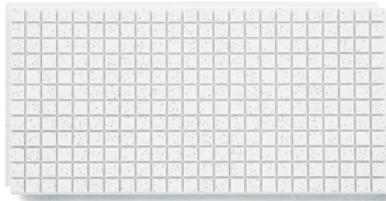
*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Block Sugar

0.54 (N.R.C)

29dB/500Hz

POP board with a casual, tiled ceiling feel. Perfect for asimple, modern space in which to enjoy music.

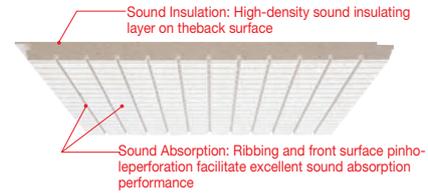


Acoustic Ceiling Panel (Modern) Block Sugar TB0212

(9 sheets, 1.65m²)

*Please use Acoustic Ceiling Panel (Modern) 19 for Acoustic Ceiling Panel (Modern) Block Sugar border boards and lighting bases.

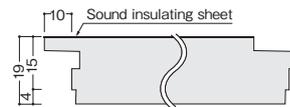
Cross-sectional Composition



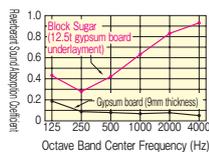
Specifications

Dimensions	19mm thick, 303 x 606mm
Packing material, quantity	Cardboard case, 9 pieces (1.65m ²) per case
Weight	14kg/1.65m ² (surface density 8.5kg/m ²)
Base material	Special rock wool boards
Front surface	Pinhole perforation, ribbing
Back surface	Recycled vinyl chloride resin covering for the high-density sound insulating layer
Edge processing	Four-sided tongue and groove working, right-angle joint
Formaldehyde regulations	Labeling exempted product

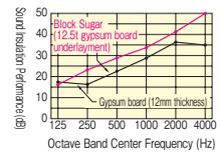
■ Cross-sectional View



Sound absorption



Sound Insulation Performance



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Acoustic Ceiling Panel (Modern) Dedicated Border

0.45 - 0.54 (N.R.C)

28 - 31dB/500Hz



Acoustic Ceiling Panel (Modern) 15 TB0213

(18 sheets, 3.3m²)

*Border for use with Acoustic Block.

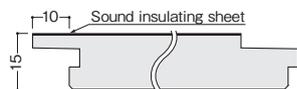


Acoustic Ceiling Panel (Modern) 19 TB0214

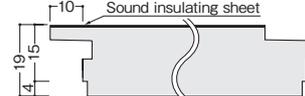
(9 sheets, 1.65m²)

*Border for use with Block Sugar.

■ Cross-sectional View



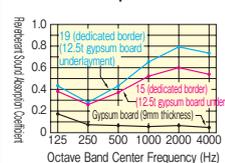
■ Cross-sectional View



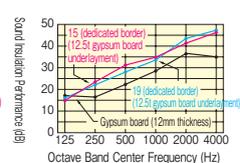
Specifications

Dimensions	[Acoustic Ceiling Panel (Modern) 15] 15mm thickness [Acoustic Ceiling Panel (Modern) 19] 19mm thickness 303×606mm	Base material	Special rock wool boards
Packing material, quantity	[Acoustic Ceiling Panel (Modern) 15] Cardboard case, 18 pieces (3.3 m ²) per case [Acoustic Ceiling Panel (Modern) 19] Cardboard case, 9 pieces (1.65m ²) per case	Front surface	Pinhole perforation [Acoustic Ceiling Panel (Modern) 15] embossed pattern [Acoustic Ceiling Panel (Modern) 19] ribbing
Weight	[Acoustic Ceiling Panel (Modern) 15] 22kg/3.3m ² (surface density 6.7kg/m ²) [Acoustic Ceiling Panel (Modern) 19] 14kg/1.65m ² (surface density 8.5kg/m ²)	Back surface	Recycled vinyl chloride resin covering for the high-density sound insulating layer
		Edge processing	Four-sided tongue and groove working, right-angle joint [Acoustic Ceiling Panel (Modern) 15] beveled joint [Acoustic Ceiling Panel (Modern) 19] right-angle joint
		Formaldehyde regulations	Labeling exempted product

Sound absorption



Sound Insulation Performance



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

For everything from a serious home theater to a fun, family living room theater and piano room.

Ceiling materials create a healthy comfortable space in which to enjoy the rich qualities of sound.

Design and Construction Information

Underlayment System	Tongue & Groove Joint
Acoustic & Sound Absorbing	

Official Certification and Industry Group-related Declarations

Formaldehyde Labeling Exempted Product	4VOC Standards Compliant	Quasi-noncombustible
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Minister for Land, Infrastructure, Transport and Tourism-certified Quasi-Non-Combustible Material QM-9111 [Acoustic Ceiling Panel 200W, 100A] QM-9108 [Acoustic Ceiling Panel 3]

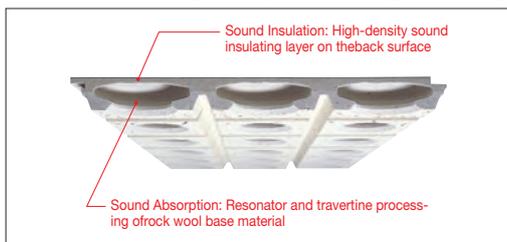
Meticulous Performance

Low VOC	Formaldehyde Absorption
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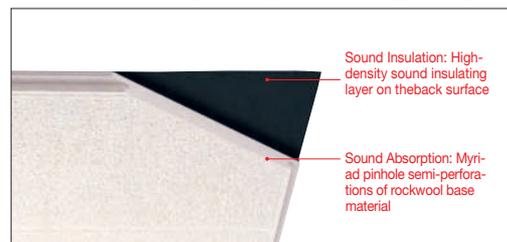


Ceiling Material: Acoustic Ceiling Panel 200W TB0110
Acoustic Ceiling Panel 3 TB01063

■ Cross-sectional Composition (Acoustic Ceiling Panel 100A)



■ Cross-sectional Composition (Acoustic Ceiling Panel 3)



Important

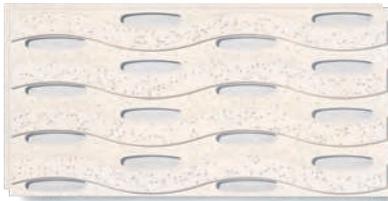
Essential Reminders about Product Usage

- Depending on the usage environment or other factors, the product's base material may give off a characteristic odor following installation. Be sure to open windows and take other steps to ensure sufficient air circulation.
- Do not install in shower rooms or other humid locations.

Acoustic Ceiling Panel 200W

0.57 (N.R.C) 35dB/500Hz

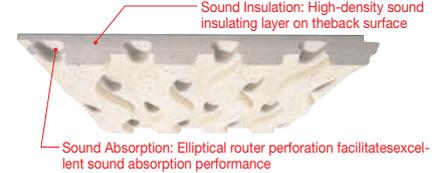
An appealing design which incorporates sweeping lines. Recommended for spaces requiring high sound absorption and insulation performance.



Acoustic Ceiling Panel 200W TB0110

(9 sheets, 1.65m²)
 *Please use Acoustic Ceiling Panel 3 for Acoustic Ceiling Panel 200W border boards and lighting bases.

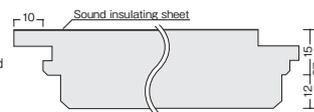
Cross-sectional Composition



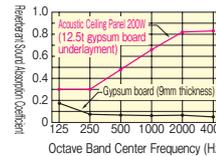
Specifications

Dimensions	27mm thickness, 303×606mm
Packing material, quantity	Cardboard case, 9 pieces (1.65m ²) per case
Weight	15kg/1.65m ² (surface density 9.1kg/m ²)
Base material	Special rock wool boards
Front surface	Pinhole perforation, wavy/elliptical router perforation
Back surface	Recycled vinyl chloride resin covering for the high-density sound insulating layer
Edge processing	Four-sided tongue and groove working, bevel joint
Formaldehyde regulations	Labeling exempted product

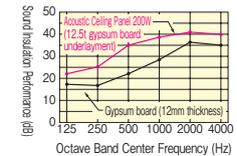
■ Cross-sectional View



Sound absorption



Sound Insulation Performance



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Acoustic Ceiling Panel 100A

0.60 (N.R.C) 30dB/500Hz

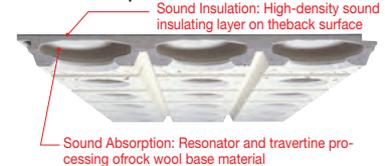
Characterized by a structure which incorporates resonator principles. Recommended for music rooms and other spaces requiring a high level of sound absorption performance.



Acoustic Ceiling Panel 100A TB01018

(9 sheets, 1.65m²)
 *Please use Acoustic Ceiling Panel 3 for Acoustic Ceiling Panel 100A border boards and lighting bases.

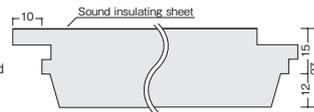
Cross-sectional Composition



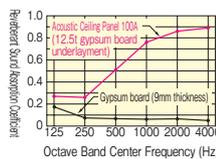
Specifications

Dimensions	27mm thickness, 303×606mm
Packing material, quantity	Cardboard case, 9 pieces (1.65m ²) per case
Weight	13kg/1.65m ² (surface density 7.9kg/m ²)
Base material	Special rock wool boards
Front surface	Travertine pattern accompanying ribbing and routing
Back surface	Recycled vinyl chloride resin covering for the high-density sound insulating layer
Edge processing	Four-sided tongue and groove working, bevel joint
Formaldehyde regulations	Labeling exempted product

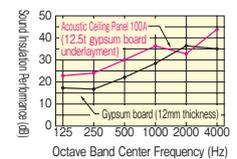
■ Cross-sectional View



Sound absorption



Sound Insulation Performance



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Acoustic Ceiling Panel 3

0.31 (N.R.C) 28dB/500Hz

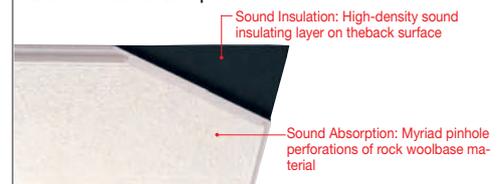
Characterized by a flat design which is simple yet intriguing. Well-suited to spaces for casual music enjoyment, where a standard level of sound absorption and insulation is called for.



Acoustic Ceiling Panel 3 TB01063

(18 sheets, 3.3m²)
 *Acoustic Ceiling Panel 3 differs from Acoustic Ceiling Panel (Modern) in its surface color and jointing; thus, Acoustic Ceiling Panel 3 cannot be used as border boards for Acoustic Ceiling Panel (Modern).

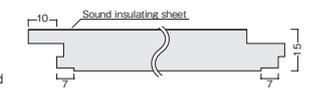
Cross-sectional Composition



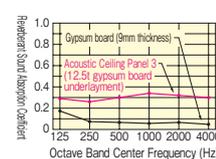
Specifications

Dimensions	15mm thickness, 303×606mm
Packing material, quantity	Cardboard case, 18 pieces (3.3 m ²) per case
Weight	22kg/3.3m ² (surface density 6.7kg/m ²)
Base material	Special rock wool boards
Front surface	Pinhole perforation, embossed pattern
Back surface	Recycled vinyl chloride resin covering for the high-density sound insulating layer
Edge processing	Four-sided tongue and groove working, bevel joint
Formaldehyde regulations	Labeling exempted product

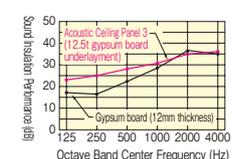
■ Cross-sectional View



Sound absorption



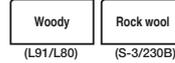
Sound Insulation Performance



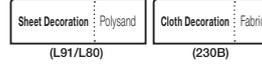
*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

For everything from a serious home theater to a fun, family living room theater and piano room. Wall materials create a healthy comfortable space in which to enjoy the rich qualities of sound.

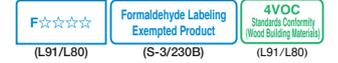
Design and Construction Information



Surface Material



Official Certification and Industry Group-related Declarations



Meticulous Performance



Wall Material: Acoustic Wall Panel L80 Grid-type <WH>WB0155-WH-N
 Modern-style Wall (Wall Panel) Grid-type <WH> WP1005-WH-N



<NEO WHITE>
WH



<MILL BEIGE>
ML



<LIGHT OCHRE>
MA



<TEA BROWN>
MT



<DULL BROWN>
MW



<OFF BLACK>
MK

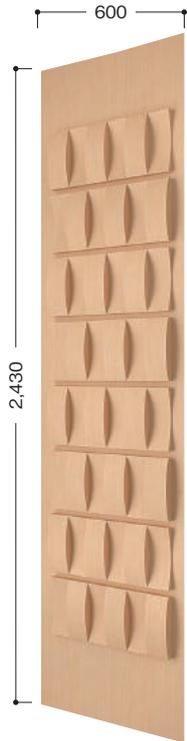
Important Essential Reminders about Product Usage

- Not for use outdoors.
- Do not use in wet or humid locations.
- When affixing a shelf or frame, make sure to nail them to the wooden backing.
- Use a modern-style wall panel for Acoustic Wall Panel L91 and L80 borders.
- Use a modern-style wall panel dedicated construction member for the finishing member.
- Depending on the usage environment or other factors, the product's base material may give off a characteristic odor following installation. Be sure to open windows and take other steps to ensure sufficient air circulation.

Acoustic Wall Panel L91

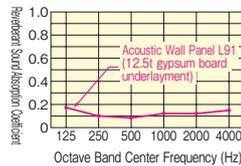
Acoustics and Sound Diffusion

0.11 (N.R.C)

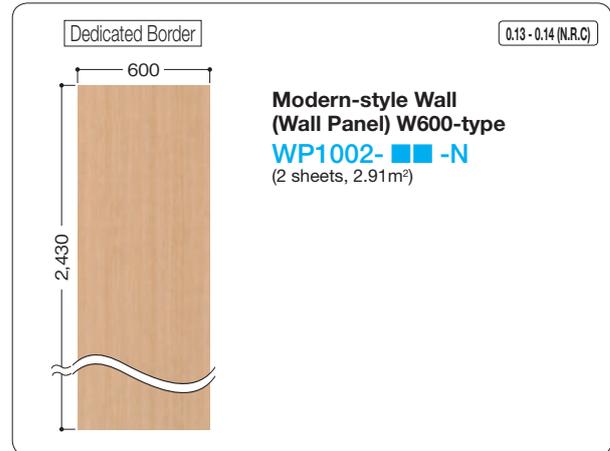


Acoustic Wall Panel L91
WB0156-■■■-N
 (2 sheets, 2.91m²)

Sound absorption (Acoustic Wall Panel L91)



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.



**Modern-style Wall
 (Wall Panel) W600-type**
WP1002-■■■-N
 (2 sheets, 2.91m²)

Specifications

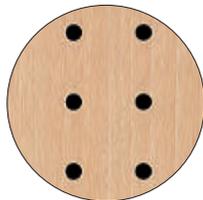
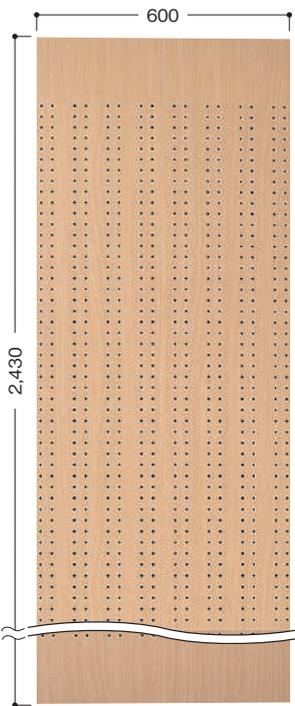
Dimensions	31.6mm thickness, 600×2,430mm (perforation decoration measurement)
Packing material quantity	Cardboard case, 2 pieces (2.91m ²) per case
Weight	15.0kg/sheet (surface density 10.3kg/m ²)
Base material	MDF
Front surface	Polysand sheet lamination
Edge processing	(Long side) Special tongue and groove working (Short side) Detached
Formaldehyde regulations	F☆☆☆☆ Japan Construction Material & Housing Equipment Industries Federation

*The ■■■ appearing in product stock numbers indicates whether the color is
WH <NEO WHITE> **ML** <MILL BEIGE> **MA** <LIGHT OCHRE>
MT <TEA BROWN> **MW** <DULL BROWN> or **MK** <OFF BLACK>.

Acoustic Wall Panel L80 W600-type

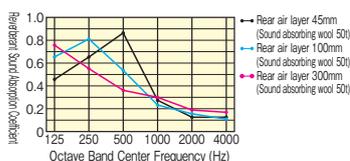
Acoustics and Sound Diffusion

0.35 - 0.48 (N.R.C)

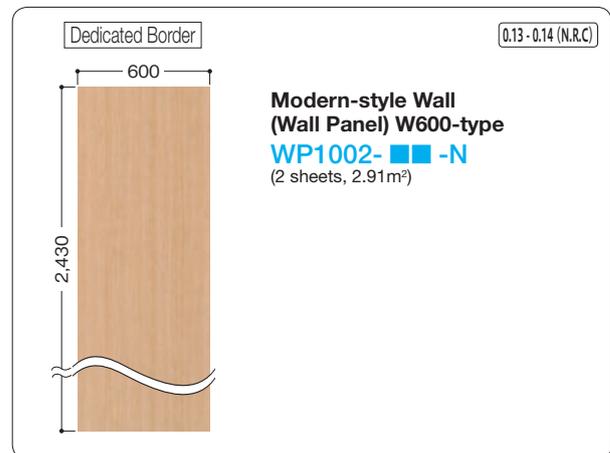


**Acoustic Wall Panel L80
 W600-type**
WB0151-■■■-N
 (4 sheets, 5.83m²)

Sound absorption (Acoustic Wall Panel L80 W600-type)



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.



**Modern-style Wall
 (Wall Panel) W600-type**
WP1002-■■■-N
 (2 sheets, 2.91m²)

Specifications

Dimensions	5.6mm thickness, 600×2,430mm (perforation decoration measurement)
Packing material quantity	Cardboard case, 4 pieces (5.83m ²) per case
Weight	6.5kg/sheet (surface density 4.5kg/m ²)
Base material	MDF
Front surface	Polysand sheet lamination
Drilling	Through-hole processing
Back surface	Black non-woven fabric covering
Edge processing	(Long side) Special tongue and groove working (Short side) Detached
Formaldehyde regulations	F☆☆☆☆ according to Labeling Guidelines for Housing Components

*The ■■■ appearing in product stock numbers indicates whether the color is
WH <NEO WHITE> **ML** <MILL BEIGE> **MA** <LIGHT OCHRE>
MT <TEA BROWN> **MW** <DULL BROWN> or **MK** <OFF BLACK>.

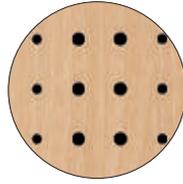
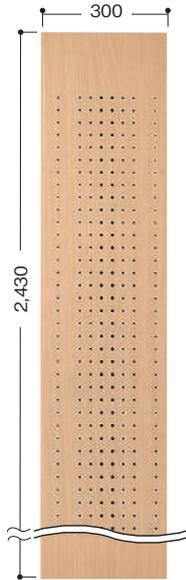


Beautiful finish for bottom joint shape

Acoustic Wall Panel L80 W300-type

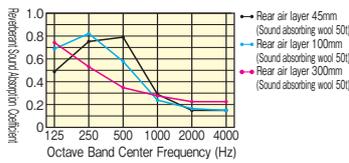
Acoustic & Sound Absorbing

0.35 - 0.50 (N.R.C)



Acoustic Wall Panel L80 W300-type
WB0152-■■■-N
 (8 sheets, 5.83m²)

Sound absorption
 (Acoustic Wall Panel L80 W300-type)



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Dedicated Border
0.13 - 0.14 (N.R.C)

Modern-style Wall (Wall Panel) W300-type
WP1001-■■■-N
 (4 sheets, 2.91m²)

Specifications

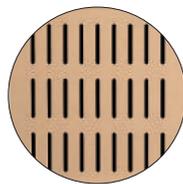
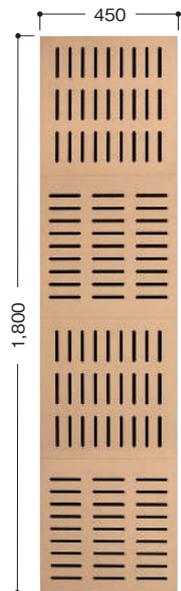
Dimensions	5.6mm thickness, 300×2,430mm (perforation decoration measurement)
Packing material quantity	Cardboard case, 8 pieces (5.83m ²) per case
Base material	MDF
Front surface	Polysand sheet lamination
Drilling	Through-hole processing
Back surface	Black non-woven fabric covering
Edge processing	(Long side) Special tongue and groove working (Short side) Detached
Formaldehyde regulations	F☆☆☆☆ according to Labeling Guidelines for Housing Components

*The ■■■ appearing in product stock numbers indicates whether the color is
 WH <NEO WHITE> ML <MILL BEIGE> MA <LIGHT OCHRE>
 MT <TEA BROWN> MW <DULL BROWN> or MK <OFF BLACK>.

Acoustic Wall Panel L80 Grid-type

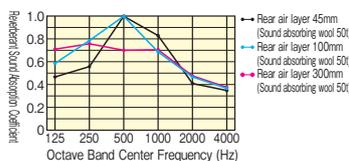
Acoustic & Sound Absorbing

0.66 - 0.74 (N.R.C)



Acoustic Wall Panel L80 Grid-type
WB0155-■■■-N
 (4 sheets, 3.24m²)

Sound absorption
 (Acoustic Wall Panel L80 Grid-type)



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Dedicated Border
0.08 - 0.11 (N.R.C)

Modern-style Wall (Wall Panel) Grid-type
WP1005-■■■-N
 (4 sheets, 3.24m²)

Specifications

Dimensions	5.6mm thickness, 450×1,800mm (perforation decoration measurement)
Packing material quantity	Cardboard case, 4 pieces per case (two each of A panel and B panel) (3.24m ²)
Base material	MDF
Front surface	Polysand sheet lamination
Drilling	Long through-hole processing (Hole diameter 10mm, Length 100mm, Pitch 30mm)
Back surface	Black non-woven fabric covering
Edge processing	(Periphery) Special tongue and groove working
Formaldehyde regulations	F☆☆☆☆ according to Labeling Guidelines for Housing Components

*The ■■■ appearing in product stock numbers indicates whether the color is
 WH <NEO WHITE> ML <MILL BEIGE> MA <LIGHT OCHRE>
 MT <TEA BROWN> MW <DULL BROWN> or MK <OFF BLACK>.

Important Essential Reminders about Product Usage

- Not for use outdoors.
- Do not use in wet or humid locations.
- When affixing a shelf or frame, make sure to nail them to the wooden backing.
- Use a modern-style wall panel for Acoustic Wall Panel L91 and L80 borders.

- Use a modern-style wall panel dedicated construction member for the finishing member.
- Depending on the usage environment or other factors, the product's base material may give off a characteristic odor following installation. Be sure to open windows and take other steps to ensure sufficient air circulation.

Superior Sound Absorption for a Higher Grade of Acoustics Acoustic Interior Wall Materials

Simply mount on the wall to create an acoustic space perfect for you.
The retrofit design makes for easy installation and replacement.

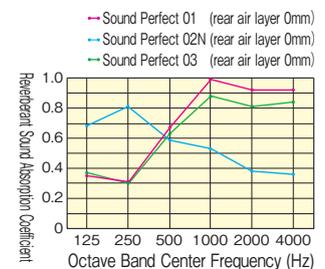
Official Certification and Industry
Group-related Declarations



Wall Materials: Sound Perfect 01 <BEIGE> WB0320-12
Sound Perfect 02N <BEIGE> WB0323-12
Sound Perfect 03 <BEIGE> WB0322-12

- Superior sound absorption produces a higher grade of acoustics for audio rooms, listening rooms and other such spaces.
- Gypsum board nails and pattern paper make installation simple. The lack of screws and adhesive also makes for easy removal and replacement.
- Three varieties available: medium to high acoustic range variety, low to medium acoustic range variety, and a corner variety. Skillful combination of these varieties will create a beautiful acoustic field.

Sound absorption

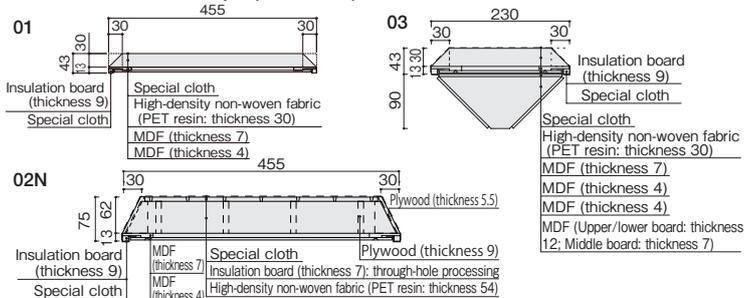


*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Specifications

Dimensions	[01] 43mm thickness, 455×455mm [02N] 75mm thickness, 455×455mm [03] Front Panel: 43mm thickness, 910×230mm
Packaging/Count	[01] Cardboard case, 4 pieces (incl. mounting hook, gypsum board nail, pattern paper) [02N] Cardboard case, 2 pieces (incl. mounting hook, gypsum board nail, pattern paper) [03] Cardboard case, 2 pieces (incl. mounting hook, gypsum board nail, paper pattern, base member)
Sound Absorption Layer	High-density non-woven fabric
Front surface	Special cloth
Back surface	MDF, insulation board
Formaldehyde regulations	F☆☆☆☆ Japan Construction Material & Housing Equipment Industries Federation

■ Cross-sectional Shape (units: mm)



Important Essential Reminders about Product Usage

- Sound Perfect cannot be installed on ceilings.
- Due to the thick fabric manufactured for the special cloth, there may be small but inevitable gaps between products mounted adjoining one another.
- This product is designed for quick and easy removal and replacement.
 - Use the instruction manual (pattern paper) when performing replacement, and make sure to retain it after installation.
 - When removing this product, grasp it with both hands and slide it upwards.
 - Do not pull the product directly forward from the wall to remove it. Doing so may damage the product as well as pull out the gypsum wall nails.

Superior Sound Absorption for a Higher Grade of Acoustics Acoustic Interior Wall Materials

Sound Perfect 01

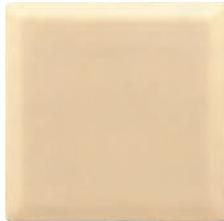
Acoustic & Sound Absorbing

Sound Absorption Coefficient 0.58(N, R,C)

■ A simple and textured modern design for appealing medium to high acoustic range absorption. Flutter echo improvement!



<BLACK>
WB0320-11
(4 sheets)



<BEIGE>
WB0320-12
(4 sheets)

Sound Perfect 02N

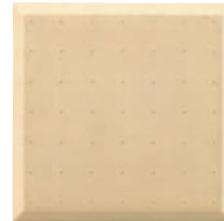
Acoustic & Sound Absorbing

Sound Absorption Coefficient 0.58(N, R,C)

■ Improves low to medium acoustical range absorbency, reducing muffled noise.

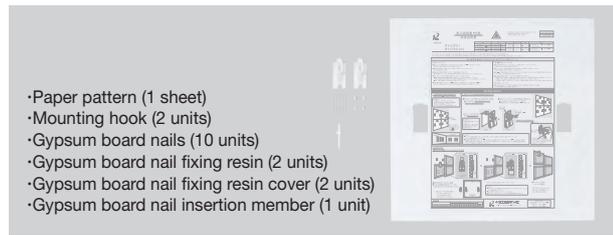


<BLACK>
WB0323-11
(2 sheets)



<BEIGE>
WB0323-12
(2 sheets)

Sound Perfect 01/02N bundle (qty. per sheet)



- Paper pattern (1 sheet)
- Mounting hook (2 units)
- Gypsum board nails (10 units)
- Gypsum board nail fixing resin (2 units)
- Gypsum board nail fixing resin cover (2 units)
- Gypsum board nail insertion member (1 unit)



Sound Perfect 02N utilizes a perforated board for its surface backing, contributing to a cross-sectional structure which improves low to medium acoustical range effects.

Sound Perfect 03

Acoustic & Sound Absorbing

Sound Absorption Coefficient 0.66(N, R,C)

■ Installed in room corners for medium to high acoustic range absorption. Suppresses muffled noise in room corners.

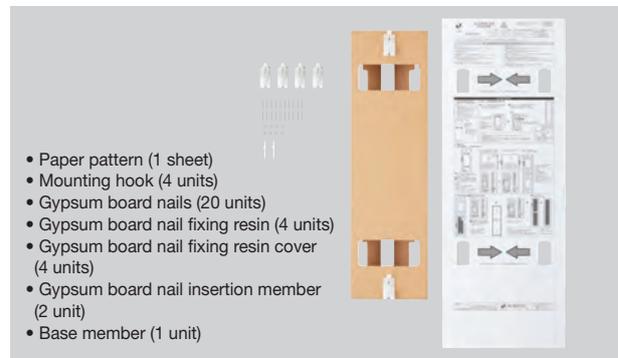


<BLACK>
WB0322-11
(2 sheets)



<BEIGE>
WB0322-12
(2 sheets)

Sound Perfect 03 bundle (qty. per sheet)



- Paper pattern (1 sheet)
- Mounting hook (4 units)
- Gypsum board nails (20 units)
- Gypsum board nail fixing resin (4 units)
- Gypsum board nail fixing resin cover (4 units)
- Gypsum board nail insertion member (2 unit)
- Base member (1 unit)

Sound Perfect 01/02N Installation Procedure See the pattern paper installation guide for details.



1. Affix the pattern paper to the desired installation site.



2. Line up the mounting hook with the pattern paper and affix it; hammer in the gypsum board nail; remove the pattern paper.



3. Mount panels from the bottom row upward until all panels are in place.



Sound Perfect 03 Installation Procedure See the pattern paper installation guide for details.



1. Use the pattern paper to perform positioning.
2. Line up the mounting hook with the pattern paper and affix it.
3. Remove the pattern paper and mount the base member.
4. Mount the surface panel on the base member.

Sound Insulating Sheet 455H

Formaldehyde Labeling Exempted Product

23dB/500Hz

High-performance type sheet to better deal with the noise of talking and TV in adjacent rooms and other household noises.



Sound Insulating Sheet 455H
GB0307
 (1 roll)



Remodeling Example

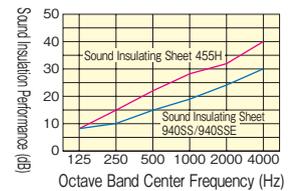


New Home Example

Specifications

Dimensions	2.8mm thickness, 455mm×6m/roll
Packing material, quantity	Contains one paper tube, craft paper roll
Weight	11.5kg/roll (surface density 4.2kg/m ²)
Base material	Special unvulcanized rubber
Edge processing	(Four sides) Detached
Formaldehyde regulations	Labeling exempted product

Sound Insulation Performance



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

Sound Insulating Sheet 940SS/940SSE

Formaldehyde Labeling Exempted Product

15dB/500Hz

Even greater effectiveness when combined with soundproof room interior materials.

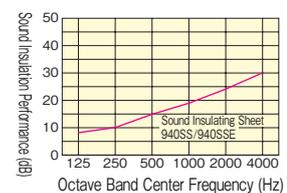


Sound Insulating Sheet 940SS
 (for Western Japan)
GB03053
 (1 roll)

Specifications

Dimensions	1.2mm thickness, 940mm×10m/roll
Packing material, quantity	Contains one paper tube, craft paper roll
Weight	19kg/roll (surface density 2.0kg/m ²)
Base material	High specific gravity substance-formulated recycled vinyl chloride resin
Front surface	Non-woven fabric covering
Back surface	Embossing
Formaldehyde regulations	Labeling exempted product

Sound Insulation Performance



*Measured values inside laboratory. Actual performance will vary according to the structure used and a variety of other factors.

DAIKEN CORPORATION

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