

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, Suniyocho, 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, Kazuo-shi, Hyogo, Japan
Hokkaido Branch: 7-1-8, Kita-1jo Higashi, Chuo-ku, Sapporo-shi, Hokkaido, Japan
Tohoku Branch: 3-1-1, Totsugigaoka, 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
Choshikoku Branch: 4-1-36, Ujimanishi, Minami-ku, Hiroshima-shi, Hiroshima, Japan
Kyushu Branch: 1-2-25, Suniyocho, Hakata-ku, Fukuoka-shi, Fukuoka, Japan
Habitation Space Division: 1915-3, Mori-cho, Tsurumi-shi, Mie, Japan
Mie Plant (Hirao): 1915-3, Mori-cho, Tsurumi-shi, Mie, Japan
Mie Plant (Kawaga): 939-1, Higashimatsu, Kawaga-cho, Tsurumi-shi, Mie, Japan
Izumi Plant 1-1, Izumi, Nanto-shi, Toyama, Japan
Izumi Plant Fittings Plant: 256, Tsubono, Nanto-shi, Toyama, Japan
Eco 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, Sainiyoji, Iga-shi, Mie, Japan
SETOUCHI KAKO CO., LTD.: 3012, Kori, Minami-ku, Okayama-shi, Okayama, Japan
BAIFIT 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, Inami, Nanto-shi, Toyama, Japan
DAIYAC CORPORATION: 2-5-8, Kaigandori, Minami-ku, Okayama-shi, Okayama, Japan
AIZU DAIKEN PROCESSING CO., LTD.: 350, Makurohishiki, 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.

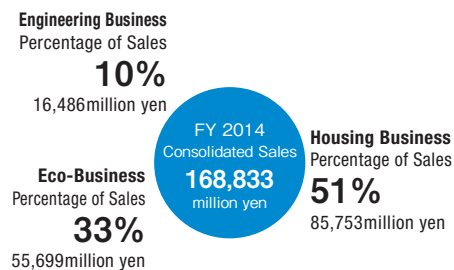
In pursuit of new possibilities, we will transcend the past by developing innovative functions towards a brighter tomorrow.

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



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

Housing Business

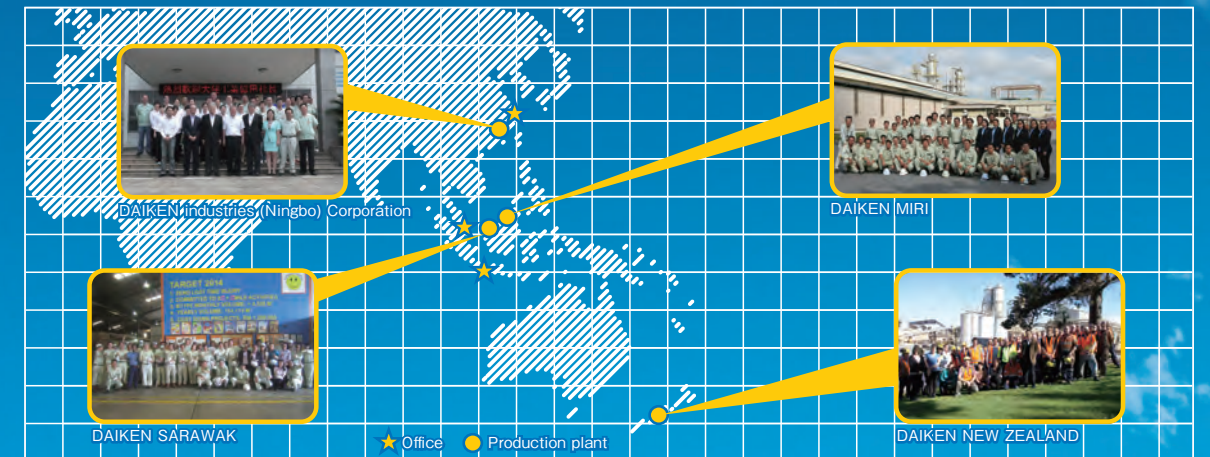
Additional Functionality and Quality in View of Customers' Lives

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.



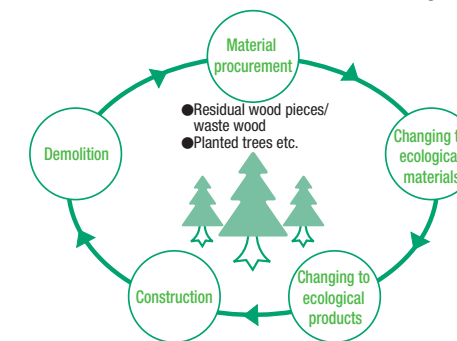
Eco-Business

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.



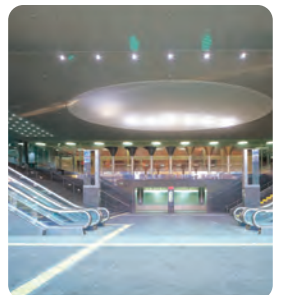
Bearing surface materials



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.

1945

1980

1990

2000

2010

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

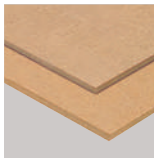
1945 Founded in 1945

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



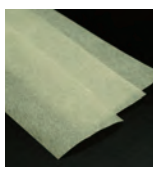
DAIKEN released medium-density wood fiberboards made of untapped resources such as residual pieces of timber and wood.

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"



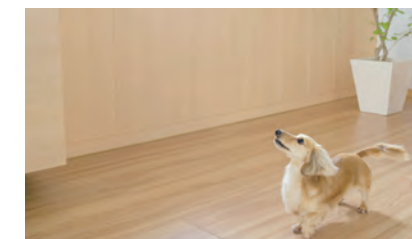
DAIKEN acquired the first certificate of registration in the "humidity conditioning building material registration/labeling system" operated by the Japan Construction Material & Housing Equipment Industries Federation.

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

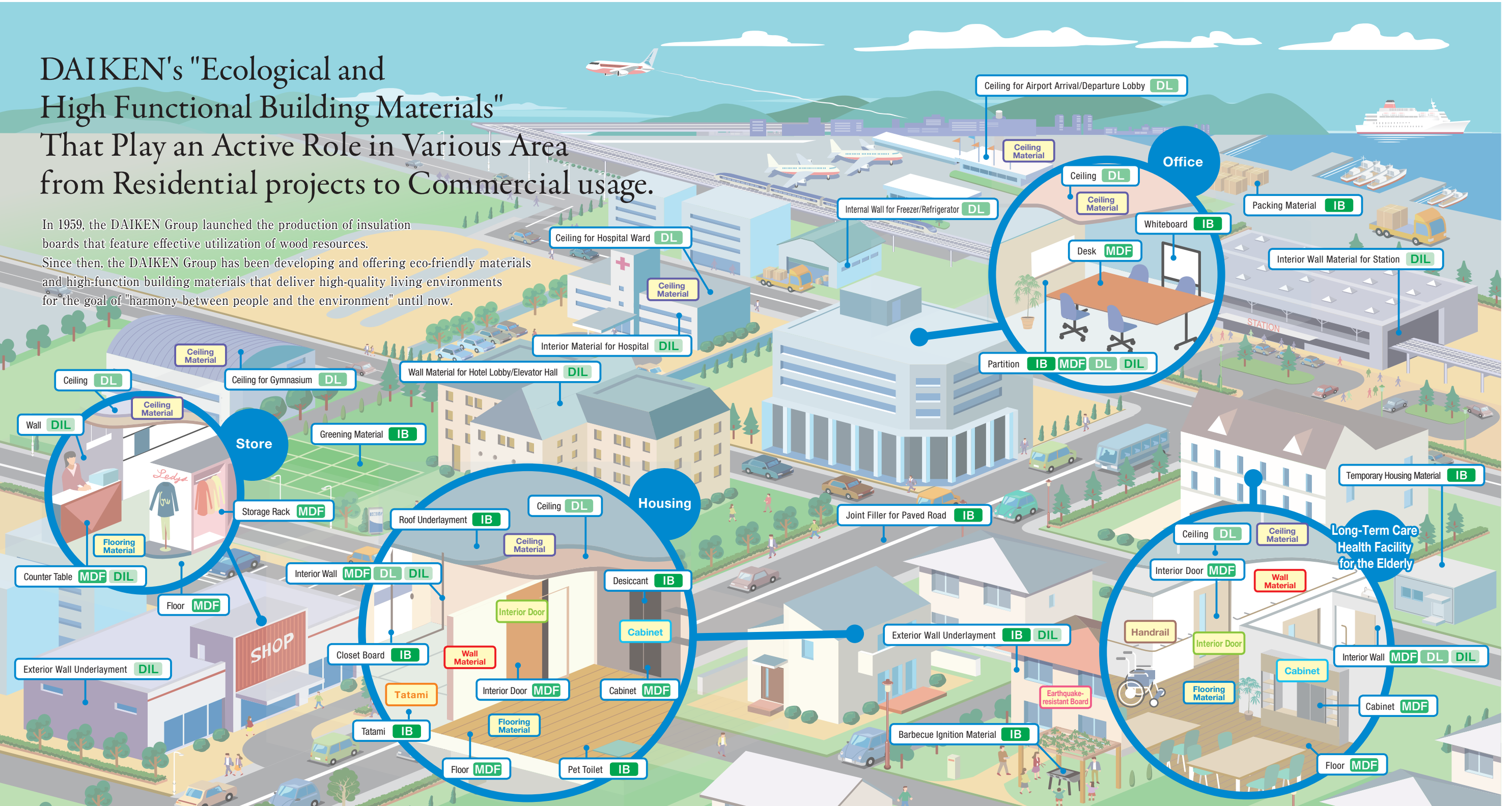


DAIKEN released a series of interior building materials made of domestic tree species such as cedar, chestnut, and horse chestnut, familiar to Japanese because of use in furniture and living equipment through the ages. DAIKEN proposed new values brought by Japanese trees, such as the beauty of wood grain, 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's "Ecological and High Functional Building Materials" That Play an Active Role in Various Area from Residential projects to Commercial usage.

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

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



Ecological Materials

Effective Utilization of Wood Resources

Insulation Board **IB**

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

MDF **MDF**

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

Effective Utilization of Mineral Resources

Rock Wool Inorganic Board **DL**

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

Volcanic Silicate and Mineral Fiber Laminated Board **DIL**

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

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

Flooring Material Antimicrobial, dent and scratch resistant, durable against wheelchair and caster wheel use, wax free, wet resistant, pet friendly, etc.

Tatami Antimold, wear resistant, difficult to fade or be sunburned, water repellent, thermal insulation, humidity conditioning, formaldehyde absorption/decomposition, etc.

Wall Material Antimicrobial, splash resistant, deodorant, humidity conditioning, formaldehyde absorption/decomposition, noncombustible, pet friendly, etc.

Ceiling Material Sound absorption, thermal insulation, Non combustible /quasi-noncombustible, deodorant, humidity conditioning, formaldehyde absorption/decomposition, etc.

Earthquake-resistant Board Low VOC, high strength, preservation from decay/termite proof, quasi-noncombustible, moisture permeable, thermal insulation, etc.

Interior Door Barrier free, noise consideration, short-stroke lever handle*, pet door, etc.

Cabinet Large capacity, seismic lock, dead space utilization, humidity conditioning, deodorant, etc.

Handrail Antibacterial effect, LED lighting, slip proof (with grip or dimples), etc.

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

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.

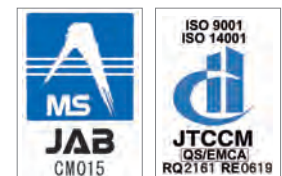
ECO Label



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.

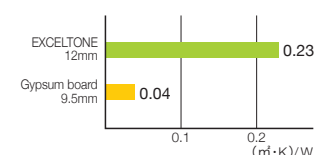
Advantages to Users

FIRE RESISTANCE

Outstanding fire resistance helps contain fires.

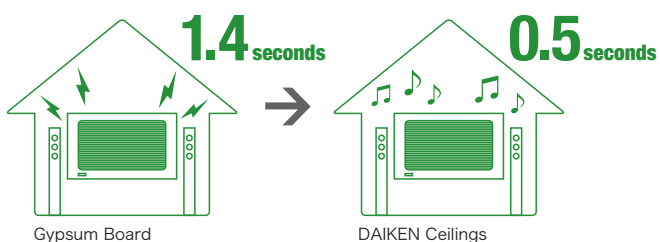
THERMAL INSULATION

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)

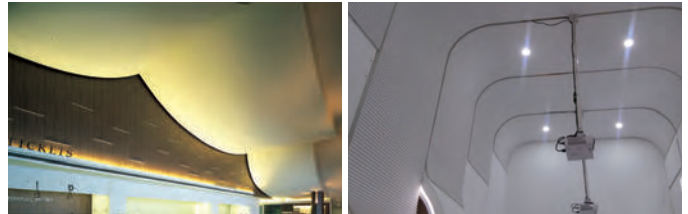
Surface pattern :

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



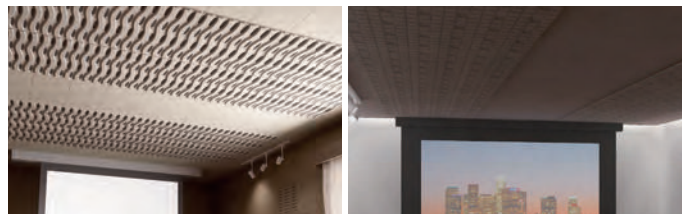
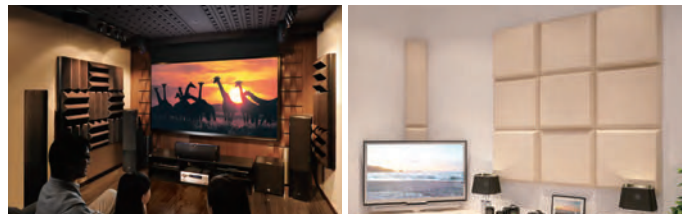
EXCELSTONE (DL series)

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



Sound Design

- Ototen 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

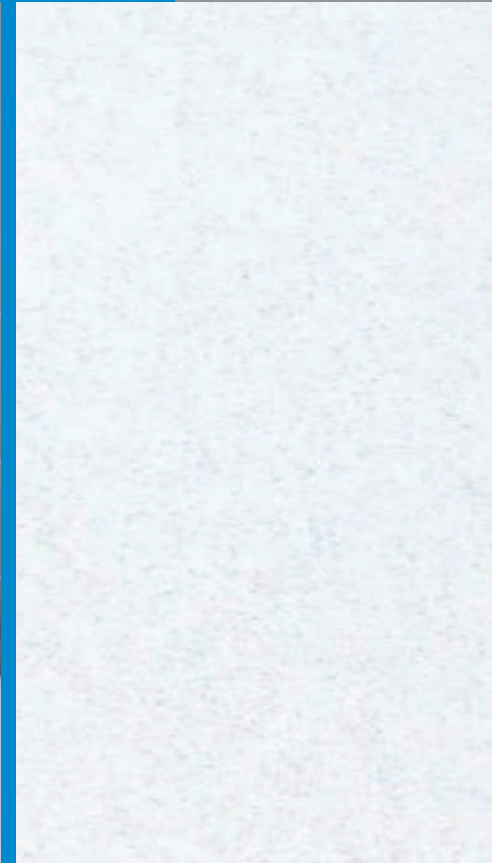
Representative data of EXCELSTONE MR series 5/8" MN.

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:-

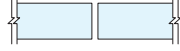
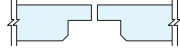
- Smooth and finely monolithic white face, with a very subtle Smooth faced fibre textures.
- Clean monolithic look is an ideal aesthetic choice for many commercial interior space requirements.
- Outstanding Noise Reduction Coefficient (NRC) and Ceiling Attenuation Class (CAC) improving acoustical conditions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

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

PERFORMANCES

Moisture Content
2% - JIS A 6301

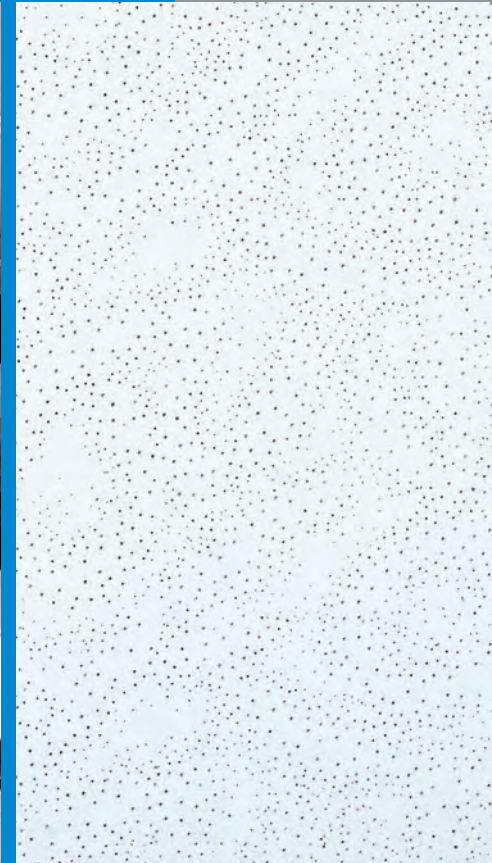
Flame Spread / Fire Resistance
US: Class A
Flame Spread 25 or under
BS 476 Part 6 & 7 : Class 0 / Class 1

Light Reflectance
0.80 & above

Sound Absorption Coefficient
3/4 : NRC 0.70

Guaranteed
10 years against visible sagging

Country Of Origin
Made In Japan



Surface pattern : Constellation (MC)

MC(RH 99*)

Key Attributes

Features & Benefits:-


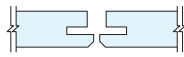

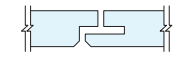

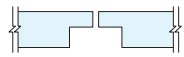
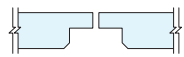
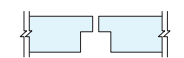
- Random pin perforated design idea for mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) which help to reduce reverberation time and prevent sound transfer through ceiling plenum.
- Good light reflectance can increase the energy efficiency of a space
- Non-Asbestos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

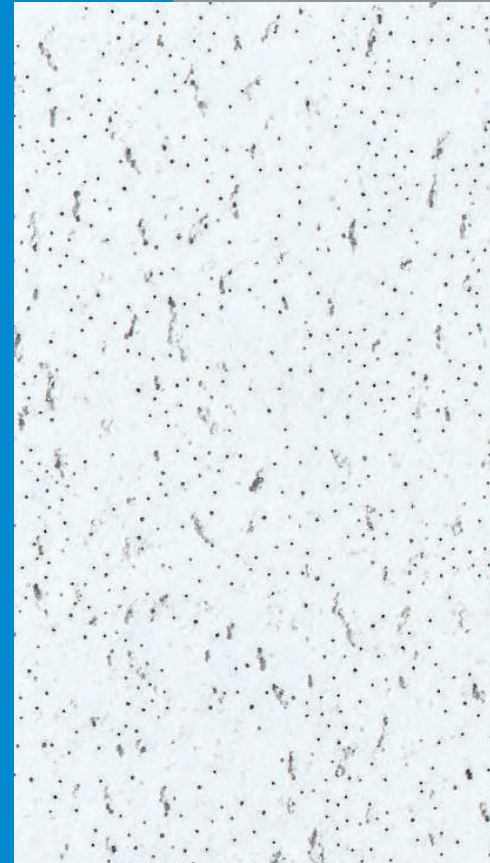
Flame Spread / Fire Resistance
US: Class A
Flame Spread 25 or under
BS 476 Part 6 & 7 : Class 0 / Class 1

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:-

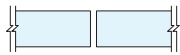

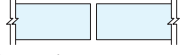

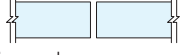
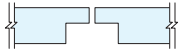
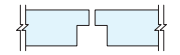
- Unique, fissure pattern with clean appearance, efficient installation.
- Economical, all-purpose ceiling pattern in various tile sizes.
- Excellent choice for large scale ceiling area.
- Semi-Concealed , Shiplap & Custom size are available
- Low VOC
- Non-Asbestos

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:-

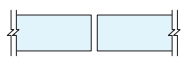




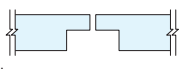
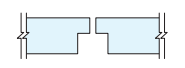
- Acoustic Suspended Ceiling tiles have a non direction fissured clean white surface and are ceiling contractors most favoured commodity panel due to their durability and ease of handling.
- Economical tile in the Daiken range to meet various applications.
- Good sound absorption on NRC and CAC.
- Less 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

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 0.55

Ceiling Attenuation Class
5/8 : CAC 32

* Note : 1/2" thickness not RH99

Country Of Origin
Made In Japan

MA(RH 99*)



Surface pattern : Astral (MA)

MA(RH 99*)

Key Attributes

Features & Benefits:-

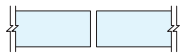
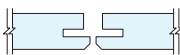
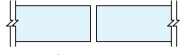
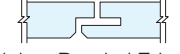

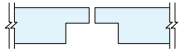
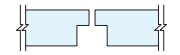
- Non Perforated Acoustical ceiling.
- Non-Asbestos
- Semi-Concealed , Shiplap & Custom size are available

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:-

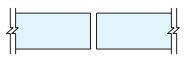
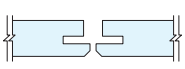



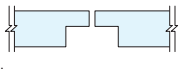
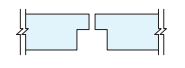
- Beautiful mixed medium and micro pin holes textures with Japanese latex paint.
- Easy installation, cost efficient, low maintenance.
- Certified with Japan Eco Label
- Semi-Concealed , Shiplap & Custom size are available
- Non-Asbestos

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

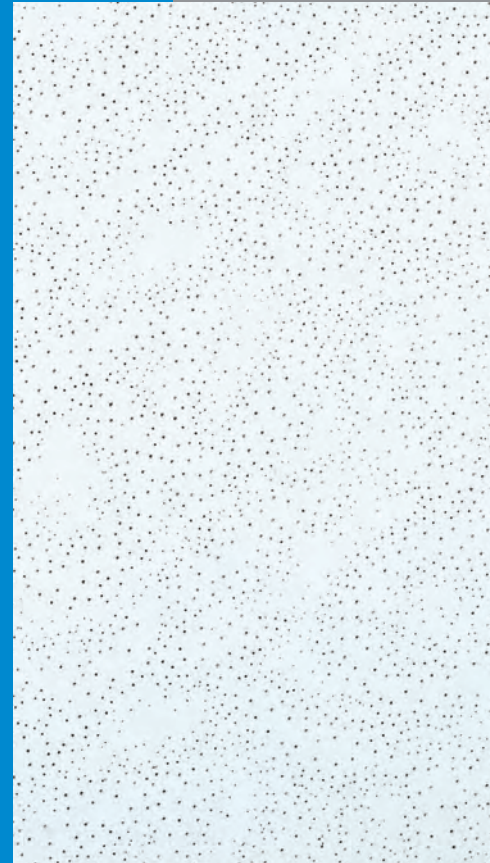
Moisture Content
2% - JIS A 6301

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:-

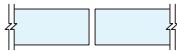
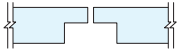
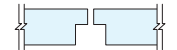
- Random pin perforated design idea for mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) which help to reduce reverberation time and prevent sound transfer through ceiling plenum.
- Good light reflectance can increase the energy efficiency of a space
- Non-Asbestos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

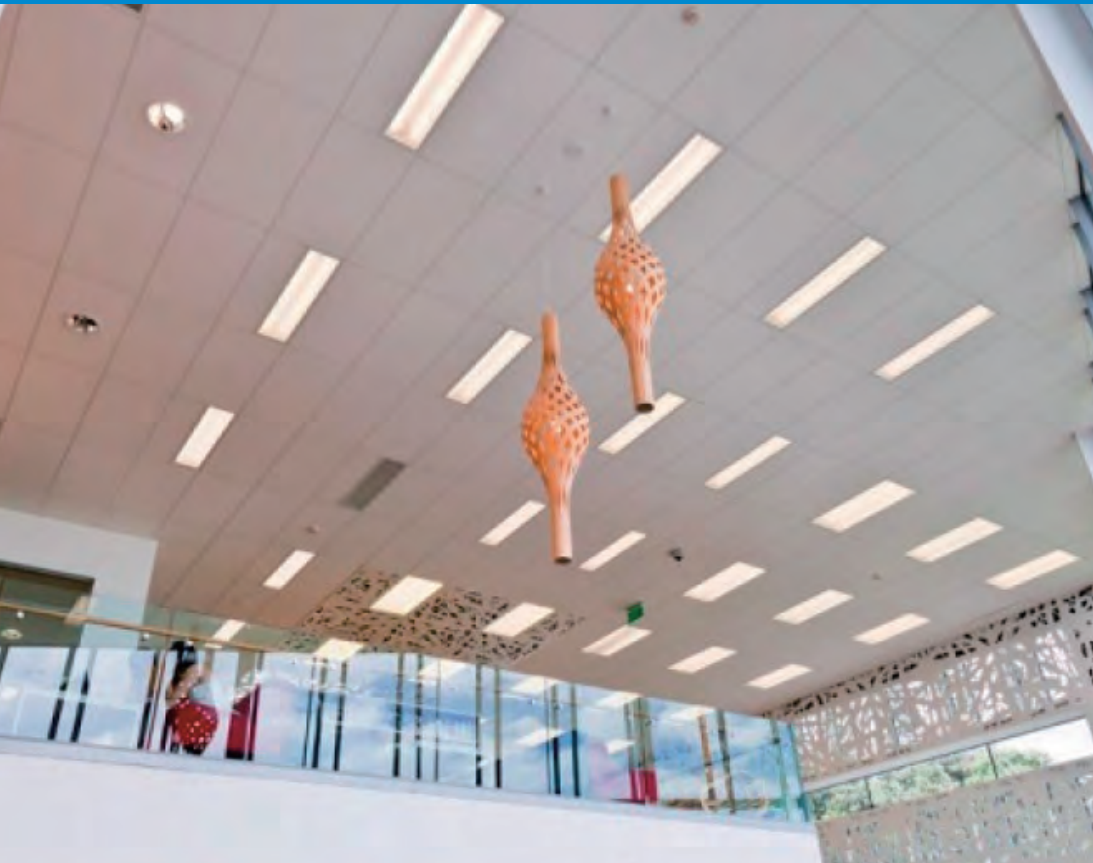
Moisture Content
2% - JIS A 6301

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:-


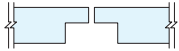
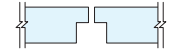
- Acoustic Ceiling tiles have an appealing stipple texture with a scattered micro pinhole finish.
- Mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) to enhance classroom hearing.
- High Light Reflectance surface (LR-0.82) to reduce light fixtures which able 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:-


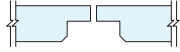
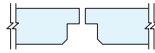
- Acoustic Ceiling tiles have an appealing stipple texture with a scattered micro pinhole finish.
- Mid to high range Noise Reduction Coefficient (NRC) and medium Ceiling Attenuation Class (CAC) to enhance classroom hearing.
- High Light Reflectance surface (LR-0.82) to reduce light fixtures which able 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)	 4 Sides: Trimmed	T24 FUT-24
Beveled Reveal Board	3/4"	600mm x 600mm (O.C)BR 600mm x 1200mm (O.C)BR	 4 Sides: Beveled Reveal	T24 FUT-24
Narrow Beveled Reveal Board	3/4"	600mm x 600mm (O.C)NBR 600mm x 1200mm (O.C)NBR	 4 Sides: Narrow Beveled 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

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:-


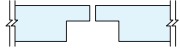
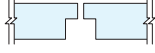
- Non-fissured, with a smooth white painted surface.
- This is a favoured tile with contractors due to its robust dust free friendly nature.
- It is suitable for use in offices, shops and other commercial interiors where a white monolithic look is desired
- Non-Asbestos

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:-

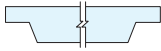
- Coordinate Series Mineral Fibre Acoustic ceiling tiles have a white non-directional fissured scored board surface. This tile is a higher range product with good detailing, recommended for commercial application where a point of difference is required.
- The manufacturing process offers clean precise 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

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