




earcons®
acoustic building system

Innovating best in Quietness Comfortable Sound with Sterling Acoustics




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Welcome to Earcons Acoustic

Over the course of our pioneering history, with nearly 20 year experience we have evolved into the world's largest provider of noise control products and systems. Our excellent reputation has been built on our commitment to design and manufacture top quality products to make the world a quieter place. We recognize that understanding our clients' requirements and goals is the key to our success. With that in mind, we look forward to doing business with you — wherever you are in the world.

EARCONS ACOUSTIS began to serve the needs of the Acoustical Ceilings, wall & Dry wall industry around Middle East country. Since its inception "Earcons Acoustic Budding System" has grown to become the prominent in the field of Day Walls, Acoustical Ceilings, Walls & Floors.

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- Acoustical Ceiling
- Acoustical Wall Paneling
- Wall Lining
- Partition
- Dry Wall Partition
- Raised Access Flooring
- Polyester Wedding
- Auditorium Chairs
- Carpets

Innovating best in "Quietness, Comfortable Sound with Sterling Acoustics"

Softex Acoustic Ceiling

Earcons Softex Ceiling Panels are Plain & Textured fiberglass acoustical panel. Fiberglass panels offer excellent sound control performance by providing high sound absorption. A Micro perforated option provides even more sound absorption properties. The lightweight fiberglass base mat makes installation easy. Earcons Softex Ceiling Panels are inherently resistant to the growth of mould and mildew. Earcons Softex Ceiling Panels are great for high-humidity areas. Earcons Softex Acoustical Ceiling Panels are composed of fine, stable and uniformly textured inorganic glass fibers bonded together by a non-water soluble and fire retardant thermosetting and fire resistance resin.

Acoustic

Earcons Softex Acoustic Ceiling (15 mm) NRC is 0.95, sound waves do not produce reflections on the surface, which can effectively control and adjust the indoor reverberation time, reduce noise, the improve sound quality.

Earcons Softex Acoustical Ceiling Panels are also available with an additional white Non-Woven Fiber Glass Tissue (WGT) back facing.

Product Features

White

Black

Environmental Friendly

Fungi and stains-resistance, a new type of green building material without pollution to the surroundings, also can be recyclable, no radiation, does not contain any harmful substances.

General Performances Data

Incombustibility Softex Ceiling is made of glass fiber (glass wool) yarn, with fire resistance coating on the surface and edge, achieves Class A incombustibility standard.

Thermal Insulation and Energy Saving

Effectively block the diffusion of cold and hot air indoor. It has thermal conductivity TR.. 0.4(m2. KM, reduces the external temperature on the impact of indoor temperature, balance the temperature difference, effectively save energy.

Anti-Sagging

90% dry felt resin bonded fiberglass wool, longer fiber compared with mineral fiber, tight structure, solid tissue, non-absorbent, ceiling keeps stable dimension and decorative effect, no sagging, wrapping.

Non Dust Fall

The paints are being high-pressure sprayed to the surface, high adhesion with sealed edge, no dust, effectively against airborne dust absorption, so that the board can maintain a clean indoor environment.

Properties

Thickness	:	15/20 mm
Edge	:	Square, Steppe
Sizes	:	595x595/1195
Sound Absorbtion	:	Upto 0.95
Density	:	110 Kg/m3
Fire Class	:	1 & A
Climate (RH)	:	90
Weight	:	1.5 Kg/m2
Light Reflection	:	85%

Installation

Earcons Softex Ceiling is installed as a lay-in tile in Earcons Grid T 24 /T15 / Silhouette T framework for suspended modular ceilings. Tiles can be easily dismantled for services work & reinstall.

Application

It is widely used in environment has high sound absorption requirement, such as: Multiplexes, Auditorium, Lecture Hall, Home Theatre ,Gymnasium, Library, School, Hospital, Office building, Shopping centre, IT Sector, Airports, Hotels, Recording Studio, Courts, Conference Hall, Educational, Lecturer Hall, Offices, BPO's etc. With its high sound absorption features, it effectively improves the quality of people's working and living, influence people's psychological and physical well beings. It is a high class and novel suspended ceiling products.

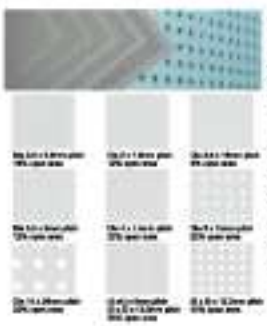
Gyp Aco Perforated

Product Description

Earcons acoustic perforated gypsum board is designed on the basis of helholtz resonance theorem, After perforated, the holes, board and the wall make up of many resonant cavities, when air molecules pass the holes, the resonant cavities will consume large quantities of sound energy. Earcons perforated gypsum board is one of the best sound absorption products, it ie widely used in Auditorium, office, cinema, church, hospital. School and so on.

Product feature

1. Acoustic perforated gypsum board
2. Light weight
3. High edge rigidity
4. Strong nail pull resistance
5. Smoothness
6. Green products



Perforation Variants
Square hole
3x3mm, 4x4mm, 6x6mm, 10x10mm, 12x12mm
Circle Hole
6mm (Pitch: 25mm)
8mm (Pitch: 25mm)
10mm (Pitch: 25mm)
12mm (Pitch: 25mm)

Technical Performance

Surface Spread - Class L - BS 476 Part 7 Specific Optical Density of Smoke - Flaming Exposure 26.28 Dm [Corr) - ASTM E66 Thermal Conductivity - 0.08 Wm/k - IS 3346 Non-combustibility - Mass loss 53% rd 750 oC - ISO 1182 Ignitibility 'P' - BS 476 Part 5 Fire Propagation Index 5.17 - BS 476 Part 6

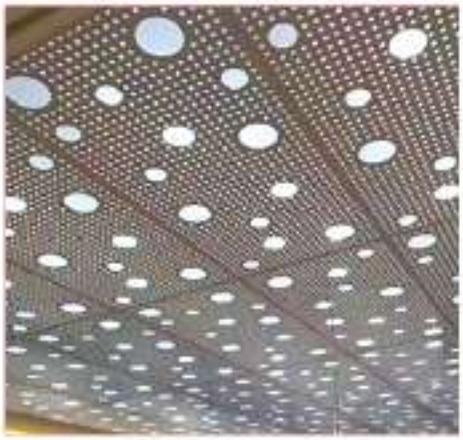
Properties

Thickness	12 mm
Edge	Square
Sizes	595x595/1200
Sound Absorbtion	Upto 0.80
Density	800 Kg/m3
Fire Class	1 & P
Climate [RH)	70
Weight	6.5-7.6 Kg/m2
K-Value	0.1w/m k
Perforation Rate	12-18%

Application

Auditorium, Theaters, Recording studio, Music half, Stadium, Lecture Hall, Hotel, Museum, Libran,r, Banks, Courts, Multi-function hall, Meeting rooms. Business office ,Conference Hall, Advanced villa or private living room and other public places for improvement of the environment.

Alite Aco Panel



Earcons Alite Aco board is completely free of toxins. (asbestos. formaldehyde or silica), has no odor and releases that may occur into the environment are not expected to leave any hazardous material even under exposure to high temperature. Alite Aco board ,s a versatile thermal insulation material used m both industrial and building construction to achieve high insulation and fire protection. Alite Aco is most suitable for Thermal Heat Insulation, Fire protection, Acoustics barrier, Ceiling, Wall Cladding, and Partitions. Alite Aco board is made from a blend of materials. primarily: Calcium oxide (lime), Silica (Si02). Reinforcing fibers (often cellulose fibers), Other additives. These materials are mixed. processed, and formed into boards through a combination of high-pressure steam curing (autoclaving) and drying processes. it prevent from mold and mildew grow, When working and handling Earcons Alite Aco board the dust produced is not so much to cause any inhalation irritation. By adapting the recycled and pollution-free nature material, it surely meets the requirements of environmental protection.

Benefits and Advantages of Alite Aco Board

Safety: Enhances the safety of buildings by providing excellent fire resistance and contributing to overall fire protection strategies.

Energy Efficiency: Improves the energy efficiency of buildings by reducing heat loss or gain, contributing to lower energy bills and a more comfortable indoor environment.

Ease of Installation: Lightweight and easy to cut drill, and install, reducing labour costs and construction time.

Low Maintenance: Requires minimal maintenance over its lifespan, offering long-term durability and performance.

Environmentally Friendly: Chen made from natural materials and can be recycled, contributing to sustainable building practices.

Acoustic Insulation

Earcons Magnesia board is characterized by excellent Sound Isolation & with perforation for sound absorbtion. It can be successfully used in combination with modern insulation materials (insulant, construction membrane) for exterior decoration of the building at quite low values of Sound Isolation (44db - 60 db) & Sound Absorption (0.80)

Technical Properties

Thickness	8,10,12 mm
Edge	Square, Tapper
Surface	Perforation
Fire Class	A1
Sizes	600X1200/2440,1220X2440mm
NRC	Upto 0.85
Density	900 Kg/m3
Climate (RH)	99
Weight	13.2 Kg/m2
LR	74

Application

Ceiling, DATA Center, Hotels, Hospitals, Residential, Offices, Recording Studios, Auditorium, Multiplexes, Banquet Hall, Lecture Hall, Multi functional Hall, Research Labs, Industrial, Noise Isolation Areas, High Wet areas, High Risk Fire Areas, High Humid Areas, Home Theatre, Educational, IT Sector, BPO'S

Metal System

Earcons ceiling system range that is designed to provide solutions for all installation situations. With its diverse design concepts it sults not only new building projects but can also be used with confidence in the framework of renovation and refurbishment projects. The metal tiles provide particularly good acoustics by virtue of the different surface perforations that also contribute to the overall design pattern on the tiles. Earcons Lay-On system of metal ceiling tiles and panels form an integral part of the company's range of metal ceiling systems. The fully demountable tiles and panels are available in a range of sizes, edge profiles and perforation patterns; they are manufactured from steel or aluminum finished with high polyester paint offer a comprehensive range of colours to BS and RAL standards. Tiles and panels are suitable for internal applications and used with mineral wool pads satisfy a wide range of thermal and acoustical parameters. The tiles can be installed in several different ways:

(1) Lay On

(2) Clip On

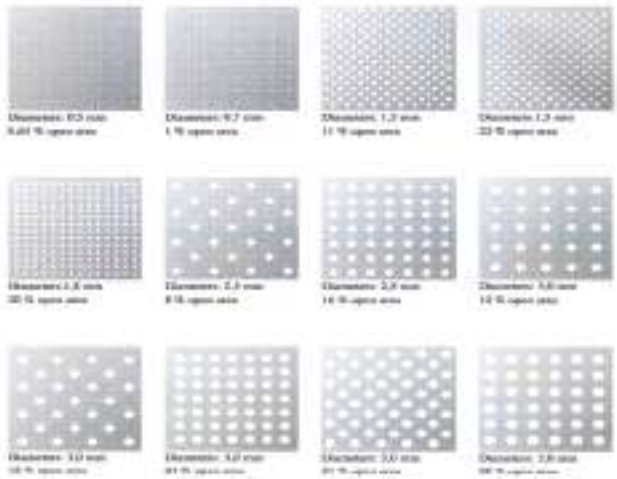
(3) Linear Strip Clip on The necessary suspension sections and components are all available from the Earcons for example hangers, main runner sections, cross sections, wall trims and wall springs etc.

Technical Properties

Thickness	0.5 -0.7 mm
Edge	Square, Tapper
Surface	Plain, Perforation
Fire Class	Class A
Sizes	600x600/1200, 100/200/300x1200
NRC	0.75
Density	980 Kg/m3
Fire Class	Class A
Climate	99 RH
Weight	3-6 Kg/m2
Light Reflection	78

Perforation Patterns

Earcons tiles are available with various different surface perforation patterns from large holes to the very finest micro -perforations (0.7-2.4 mm straight holes). These facilitate the optimization of reverberation times to suit the acoustics and design requirements of areas.



Lay In Tile

The term lay-in refers to tiles that have minimal tile face coverage by the supporting exposed grid as distinct from lay-on tiles where the face of the tile is fully visible. Lay-in tiles are used with exposed grid table usually 24/15mm wide although different grid table widths are available.

1. Lay In Plain
2. Lay In Perforated

Clip In Tile

This tried and tested system is probably the most widely used metal tile ceiling system. The tiles, manufactured to fine press tool tolerances, are clipped into a concealed Tee Bar grid. Tiles are automatically levelled in the grid by special registers, which are pressed into the side flanges of the tiles during manufacture. The grid system is easily installed and tiles can be removed and replaced for access to services. Modular or circular light fitting and grilles can be integrated within the Clip-In System, and various acoustic criteria can be met with the inclusion of acoustic inlays.

1. Clip In Plain

2. Clip In Perforation

Earcons Baffle Ceiling System offers a spatial pattern with a linear open ceiling that facilitates better air circulation. They are simple to install while offering easy access to the ceiling plenum for maintenance and the installation of additional lighting, sprinklers, or sound system. This system not only inspires a modern, architectural atmosphere, but also delivers superior durability, comfort and creates an aesthetically pleasing environment

The suspended baffle ceiling system from EARCONS offers a special elegant pattern with a linear look ceiling. It is widely in offices, lobbies, schools, libraries, indoor sporting arenas, restaurants, shopping ,nalls and retail areas, transportation centers, including the train station and airport terminals.

U-Shaped Baffle Open ceiling is featured by graceful and elegant line, and amazing curtain effect when installed in appropriate height and angle. Baffle Ceilings create unique room atmospheres. The free space between the baffles is optimally suitable for the integration of luminaries, sprinkler, smoke detectors, security systems and air conditioning or similar.

- The baffle ceiling is a type of metal baffle ceiling, and the metal material is durable with high strength.
- Easy installation with standard carriers. The suspended system can be easier to install and offer easy access to maintenance and the installation of additional services such as lighting, sprinklers, and climate control systems.
- Open space for integrated ceiling solution.

Application

The wide application spectrum comprises of such areas: Auditorium, Multiplex, Library, Hotels, Indoor stadiums, Meeting halls, Hospitals, Educational, Industrial, Loppy, Airports , Office Area etc.

Micro Cilia

Earcons Micro Cilia Wood Wool Fibre

Earcons Micro Cilia Magnesite bonded wood wool acoustic panel. Exquisite surface structure building biologically recommended. Earcons Micro Cilia Magnesite Wood Wool extremely strong just likes the Micro beehive-type porous structure, which achieve excellent sound and heat insulation.

Therefore, rendering architects with the best solution for health, ecology, heat and sound absorption purposes.

Environment Friendl

Earcons Micro Cilia Wood Wool fibers are bonded with magnesite; bonded wood wool boards are produced. Slabs of bonded wood wool are environmentally friendly construction and insulation materials as they do not comprise organic binders.

Colours

The Earcons Micro Cilia Magnesite wood wool panels are available in Black & White.

Technical Performance

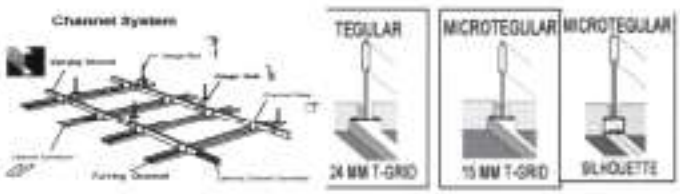
Thermal Conductivity - 0.08 Wm/k - IS 3346 Noncombustibility - Mass loss 53% Id 750 oC ISO 1182 Ignitibility - 'PP - BS 476 Part 5 Fire Propagation Index - 5.17 - BS 476 Part 6 Surface Spread - Class I -BS 476 Part 7 Specific Optical Density of Smoke -Flaming Exposure 26.28 Dm (Corr) - ASTM E662

Properties

Thickness	:	15/20 mm
Edge	:	Square
Fire Class	:	& P
Sizes	:	600 x 600/1200
NRC	:	Upto 0.95
Density	:	600 kg/m3
Climate (RH)	:	90
Weight	:	10 — 15 kg/m2

Installation

The installation process falls under interior decorator, and should be performed within monitored humidity and temperature settings. But the duct-releasing procedure should be completed prior to its commencement. Some salient features of the process include: T-Grid System for Ceiling & Channel Suspension System



Application

The wide application spectrum comprises of such areas:, Auditorium, Multiplex, Library, Hotels, Indoor stadiums, Meeting halls, Hospitals, Educational, Industrial, Airport, Recording studio, Museum, Malls, Banquet Hall etc.

Earcons Floating Floor

Earcons Floating Floor provides a quiet place in residential or commercial spaces where dance, exercise and weightlifting activities create bothersome impact noise. Floating Floor also provide superior sprung floor cushioning to reduce injury and fatigue. Panels serve a wide variety of applications where the absorption of impact and sound isolation are required. Earcons Floating Subfloor Panels serve a wide variety of applications where the absorption of impact and sound isolation are required. Floating Floor Panels are an engineered floating floor system that allows multi-use buildings to function by mitigating structure borne sound transfer. Floor impact isolation is required for applications such as 'free weight drop' and 'treadmill noise' in health clubs, 'heavy floor impact' for activities such as 'dance studios', 'martial arts', or 'aerobics classes'. Floating Floor Panels are ready to be installed right off the skid and do not require any special tools or training. The Tongue and Groove panels are simply tapped together using a hammer and spare piece of wood. It is recommended that they are installed in a 'brick' pattern for the greatest stability followed by an overlay of plywood with joints staggered to the Floating Floor Panels. For dance floors use a 'good one side' 1/2" or as required plywood to retain the maximum resilience. Earcons Floating Floor Panels System has the highest acoustic isolation available of any floating floor. Key to its performance are the shaped isolators that consist absorption pads and surrounded by acoustic media, that are pre-attached to nominal 4'x 2' Tongue and Groove panels for fast and easy installation. A floating floor is a floor that does not need to be nailed or glued to the subfloor. The term floating floor refers to the installation method, but is often used synonymously with laminate flooring but is applied now to other coverings such as floating the systems and vinyl flooring in a domestic context.

Features

- Size : 1200 x600 mm
- Thickness : 25 - 70 mm
- Tongue and Groove edge design lets you quickly and easily fit panels into place
- Floats over wood or concrete sub floors.

Acoustical Parameters

Structual & Air Bone Noise Isolation

Model	STC
25T3	45
25T3P	50
50T3	50
50T3P	55

Technical variants

Membrane series- for resilient flooring where isolation of structure-borne noise is important. Adhesion to subfloor is by adhesive .

Non-Membrane series- For isolation of only airborne noise. Adhesion to subfloor is via wooden framework.

Ply series- where rigid plybase is necessary for the top finishing layer like carpet.

Fire Performance- BS 476 Parts 5, 6, 7

Installation

Earcons Floating Floor thickness 25/75 mm as per approved drawings as designed, manufactured and installed by Earcons Acoustic Building System. The subfloor is made ready and construction adhesive beads laid to which the Earcons Floating Floor panels are pressfitted. The top finishing flooring material -Wooden, Carpet and Vinyl is then installed.

Application

Earcons Floating Floor widely used in Auditoriums, Home Theater, Hospitals, Studios, Gyms, Dance Classes , Hotels & Banquet Halls.

Glass Reinforced Gypsum (GRG) Series

Earcons GRG (Glass Reinforced Gypsum) Ceiling Tiles, a concept to achieve optimum creativity & functionality. Glassfiber Reinforced Gypsum is developed to allow Architects and Designers to incorporate complex or simple elements that lead to and exciting dimension to interior spaces. A composition of high strength gypsum reinforced with glassfibers, it is factory molded into any shape or size. The Gypsum Plaster used for making GRG Ceiling Tiles confirms to standard ASTM C28 / C28M. GRG Ceiling the have certified humidity resistance (RH) of 99 °A) as per the test standard ASTM C47303 /ASTM C 139604.

Grg Tiles are non combustible confirming to Non Combustibility protocol. Our Full process of manufacturing confirms to IS 2095(Part 3) 1996.

Product Features

Earcons GRG Tiles are moisture resistant and strong under high humid conditions.

- Durable
- Fire Resistant
- Superior Thermal Insulation
- Excellent Light Reflectance - .
- Re-paintable
- Good Sound Absorbing Properties
- Perfect Designs and Finish
- Easy to Install & Clean

Technical Peformance

Surface Spread- Class 1 - BS 476 Part 7 Specific optical density of smoke- Flaming Exposure 26.28 Dm (Cord-ASTM E 66 Thermal conductivity- 0.08Wm/k-IS 3346 Non-combustibility- Mass loss 53% id 750°C -ISO 1182 ignitibility- 'P' -BS 476 Part 5 Fire propagation Index-5.17-BS 476 Part 6 Properties

Thickness	10,12 mm
Edge	Square, Tegular
Fire Class	A
Sizes	595 x 595/1195
NRC	Upto 0.75
Density	260 Kg/m3
Climate (RH)	99

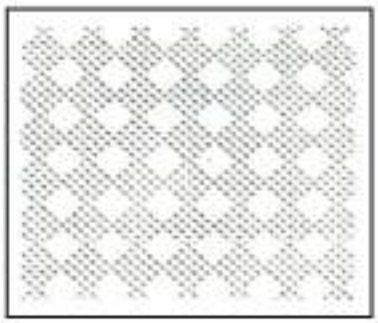
Installation

Earcons GRG Ceiling is installed as a lay-in the in Earcons Grid T 24 /T15 / Silhouette T framework for suspended modular ceilings. Tiles can be easily dismantled for services work & reinstall.

Application

It is widely used in environment has high sound absorption requirement, such as: Multiplexes, Auditorium, Lecture Hall, Home Theatre, Gymnasium, Library, School, Hospital, Office building, Shopping centre, IT Sector, Airports, Hotels, Recording Studio, Courts, Conference Hall, Educational, Lecturer Hall, Offices, BPO's etc. With its high sound absorption features, it effectively improves the quality of people's working and living, influence people's psychological and physical well beings. It is a high class and novel suspended ceiling products.

EA GRG SP 2211



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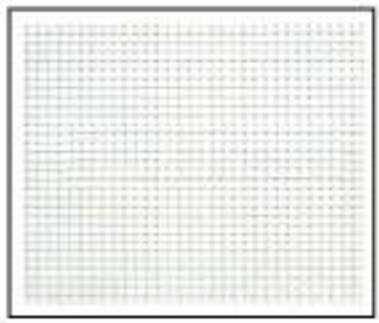
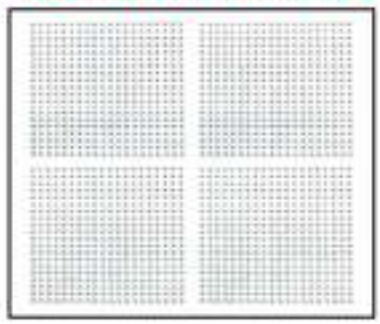
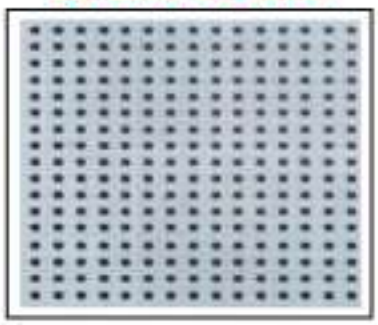


EA GRG SP 2210

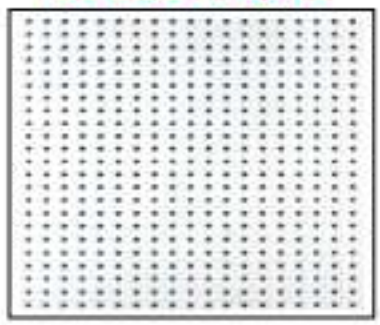
EA GRG AP M4 6633



EA GRG AP 6633



EA GRG AP 2213



Cilia Stuff

Product Features

Stuff Variants

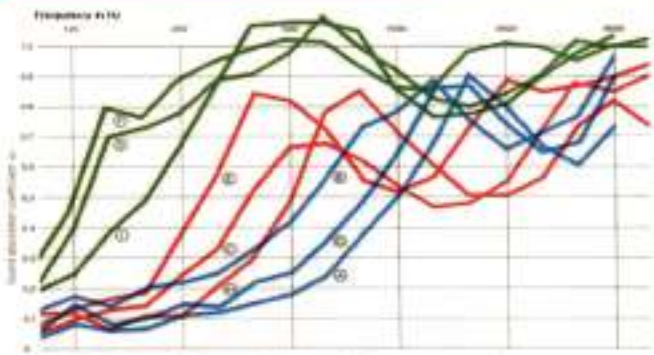
Earcons Cilia Magnesite bonded wood wool acoustic panel (fibre width 0.5-1 mm). Exquisite surface structure, building biology recommended. Earcons Cilia Magnesite Wood Wool extremely strong just like the beehive-type porous structure, which achieve excellent sound and heat insulation. Therefore, rendering architects with the best solution for health, ecology, heat and sound absorption purposes.

The Earcons Cilia Stuff Magnesite wood wool panels are available in various colors. Choices of color scheme custom colors and can easily be without losing their acoustical efficiency. Ranges Panels are made from factory finished panels.

Application

Earcons Cilia Stuff Magnesite Wood Wool fibere are bonded with magnesite. Slabs of bonded wood wool are considered environmentally friendly construction and insulation materials because they do not contain organic binders.

Sound Absorbation Values



Sound Absorbtion coefficient as of nonstuccoed Earcons Magnesite Cilia wood wool board

Properties

Thickness	:	15/20/25/50 mm
Edge	:	Square, Groove
Sizes	:	600/1200/2400
Sound Absorbtion	:	Up to 0.95
Density	:	400 Kg/m3
Fire Class	:	I & P
Climate	:	50, 90
Weight	:	7-20 Kg/m2

Surface Spread
Class I - BS 476 Part 7

Specific Optical Density of Smoke :
Flaming Exposure 26.28 Dm (Corr) - ASTM E66

Thermal Conductivity :
0.08 Wm/k - IS 3346

Non-combustibility :
Mass loss 53% id 750 oC - ISO 1182

Ignitibility :
'Pp - BS 476 Part 5

Fire Propagation Index :
5.17 - BS 476 Part 6

High Durability

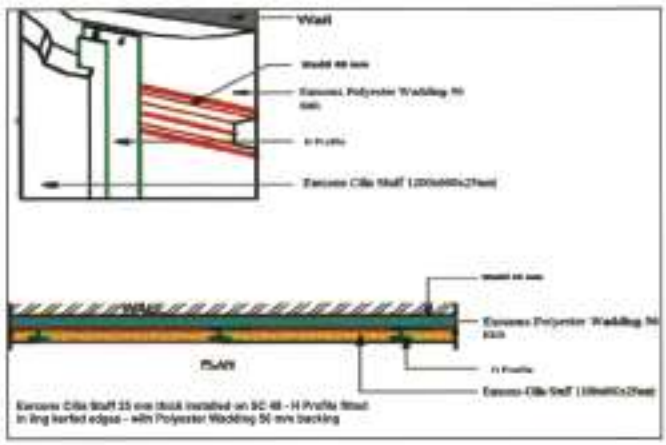
Earcons Cilia Stuff Magnesite wood wool acoustic panels comprise of Magnesite-bonded wood wool, which is robust and durable. Owing to the composition of wood and magnesite, this product can absorb and give off moisture. Earcons Cilia Stuff Magnesite wood wool is therefore very suitable for cladding ceilings and walls in high acoustical areas such as Auditorium, Multiplexes, Recording studio, Media station, Music hall.

Warranty

10 years limited warranty on the assembled system when installed to Earcons specifications.

Installation:

The Installation Of Earcons Cilia Stuff Magnesite Wood Wool Acoustic Panels Is Part Of Interior Decorating And May Only Be Carried Out Under Controlled HumidityAnd Temperature Conditions.



T-Grid System For Ceiling.

H-Profile For Easy Installation.

Dismantling And Re Installation.

Application

Auditorium, Multiplexes, Home-Theaters, Airports, Recording studio, Television station, Music hall Large entertainment city, Hotels, Hospitals Museum, Indoor Stadiums, Banquet Hall, Library, Banks, Courts, Multi-function hall, Meeting rooms, Business office, Lecture Halls, Advanced villa Industrial Spaces, Retail Outlets and other public places for improvement of the environment.

Cilia Wood Wool Panel

Earcons Cilia Magnesite bonded wood wool acoustic panel (fibre width 0.5-1 mm). Exquisite surface structure, building biology recommended. Earcons Cilia Magnesite Wood Wool extremely strong just like the beehive-type porous structure, which achieve excellent sound and heat insulation. Therefore, rendering architects with the best solution for health, ecology , heat and sound absorption purposes.

Environment Friendly

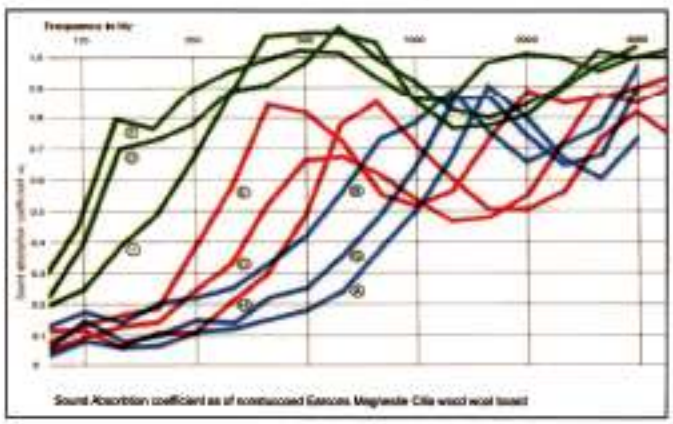
Earcons Cilia Wood Wool fibers are bonded with magnesite; bonded wood wool boards are produced. Slabs of bonded wood wool are environmentally friendly construction and insulation materials as they do not comprise organic binders.

Environment Friendly

The Earcons Cilia Magnesite wood wool panels are Spray-painted with water-based paint in our new, modern painting facility. To ensure unique color pattern and good coverage, the paint nozzles are Sprayed from several different angles.
Earcons panels can be supplied in any RAL code.
Wide spectrum of colors Is available - you will get almost every color tone, ranging from most sought after color systems like as RAL, BS can be chosen.

Properties:

Thickness	:	15/20/25/50 mm
Edge	:	Square, Groove
Sizes	:	600/1200/2400
Sound Absorbtion	:	Up to 0.90
Fire Class	:	1 & P
Density	:	400Kg/m3
Climate	:	50, 90
Weight	:	7-20Kg/m2



Environment Friendly

Ignitability :
'P' - BS 476 Part 5
Surface Spread :
Class | - BS 476 Part 7
Thermal Conductivity :
0.08 Wm/k - IS 3346
Fire Propagation Index :
5.17 - BS 476 Part 6
Non-combustibility :
Mass loss 53% (d 750 oC - ISO 1182
Specific Optical Density of Smoke :
Flaming Exposure 26.28 Dm [Corr] - ASTM E662

Installation

The installation of Earcons Cilia stuff Magnesite wood wool acoustic panels is part of interior decorating and 'may only be carried out under controlled humidity and temperature condition.

T-Grid Systems for ceiling

H-Spline for easy installation, Dismantling and reinstallation.

All dust-causing construction measured must be completed before starting the installation.

Use & Maintenance

Earcons Cilia Magnesite wood wool panels usually require no subsequent care. Nevertheless, we propose regular cleaning with other surfaces and other as needed. Light cleaning of the panels is effortless using absorbing performance of the panels. If you want to paint the Earcons Cilia Magnesite wood wool ceiling, you can use a long-haired paint roller or a hand sprayer.

High Durability

Earcons cilia Magnesite wood wool acoustic panels consist of Manesite-bonded wood wools a very sturdy and durable material. Due to the material's natural composition of wood and magnesite. Earcons can absorb and give off moisture. Earcons Cilia Magnesite wood wool Is therefore very suitable for cladding ceilings and walls tn wet rooms such as bathrooms and swimming pools. Earcon in also Suitable for outdoor use in e.g. arcades, eaves or where it is not directly exposed to the weather.

Application

Auditorium, Multiplexes, Home-Theaters, Airports, Recording Studio, Music Hall, Large Entrainment city hotels, Stadiums, Library, Banks, Courts, Multi- Function Hall, Meeting Room, Business Office, Lecture Halls, Resorts Industrial Spaces.

Retail Outlets and other public places for improvement of the environment.

Groove Wooden Slats

Earcons Groove Wooden Slats Acoustic Panels have longitudinal grooves and slats, machined along the length of the panel. These panels are consisting of a laminate finished surface, base core board and black acoustic felt attached on the back. The base core board is an 12mm or 16mm thick Fiberboard sheet with a finish laminated to its front face and black acoustic felt adhered to its rear face. The Earcons groove acoustical Slats consist of panels made from acoustical fibreboards with linear perforations for excellent uniformity. Materials based on acoustic theory, remarkable sound-absorbing function, middle and low frequency sound- absorbing effects especially renowned.

Moisture-Resistance and Mold-resistance

Moisture Sound-absorbing panels take full use of specially processed high-density moisture-proof board to ensure moisture-proof performance of products. Grooved on front and perforated on back of the panel with concealed system [for installation). It is usually used on the wall to absorb sound and reduce noise.

Art Products

Both natural wood grain and natural beauty; Reflected the culture of modern rhythm brilliant style, excellent cosmetic products, based on natural tree decorated with the needs, design and other ornaments results provide a good visual effects enjoyment.

Green Products

All materials comply with national environmental standards, very low levels of formaldehyde, and products have natural fragrant wood.

Technical Properties

Thickness	:	12,16mm
Edge	:	Tongue Groove
Sizes	:	2430x128
Sound Absorbtion	:	Upto0.75
Density	:	750 Kg/m3
Fire Class	:	Class A
Climate (RH)	:	70
Weight	:	11.6Kg/m2
Light Reflection	:	714%

Sound Absorbtion Values

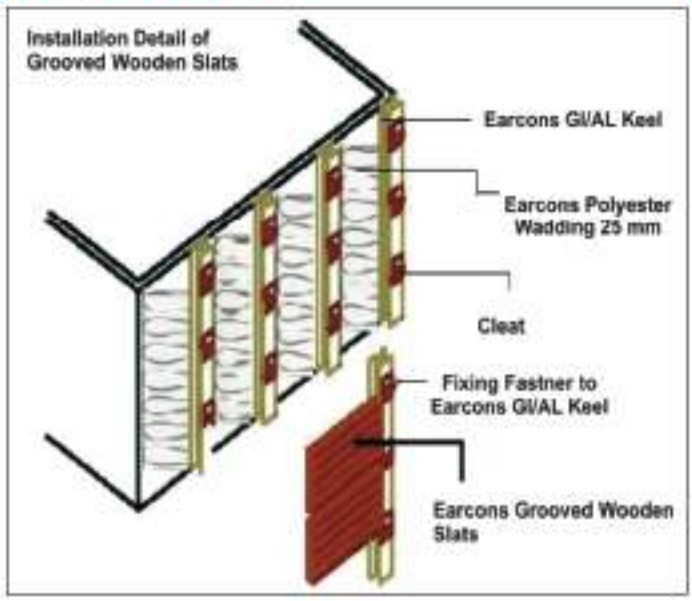
Low								
(Hz)	100	125	160	200	250	315	400	500
NRC	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07
High								
(Hz)	800	1000	1250	1600	2000	2500	3150	4000
NRC	0.10	0.15	0.19	0.25	0.36	0.68	0.85	0.75

Application

Auditorium, Theaters, Recording studio, Music hall, Stadium, Lecture Hall, Hotel, Museum, Library, Banks, Courts, Multi-function hall, Meeting rooms, Business office ,Conference Hall, Advanced villa or private living room and other public places for Improvement of the environment.

Available Styles

Installation Detail



Earcons Woody Rift

Earcons Wood Rift

Earcons Groove Woody Rift Acoustic Panels have longitudinal grooves and rift, machined along the length of the panel. These panels are consisting of a laminate finished surface, base core board and black acoustic felt attached on the back. The base core board High Density Fiberboard sheet with a finish laminated to its front face and black acoustic felt adhered to its rear face. The Earcons groove acoustical Rift consist of panels made from acoustical fibreboards with linear perforations for excellent uniformity. Materials based on acoustic theory, remarkable sound-absorbing function, middle and low frequency sound-absorbing effects especially renowned.

Art Products

Both natural wood grain and natural beauty; Reflected the culture of modern rhythm brilliant style, excellent cosmetic products, based on natural tree decorated with the needs, design and other ornaments results provide a good visual effects enjoyment.

Properties

Thickness	:	12,15mm
Edges	:	Square, Tegular, Concealed
Sizes	:	595x595/1195/600x600/ 1200 mm
NRCs	:	Upto 0.75
Densitys	:	830 kg/m3
Climates	:	(RH) 90
Weights	:	15-16 Kg/m2
Light Reflactances	:	74%

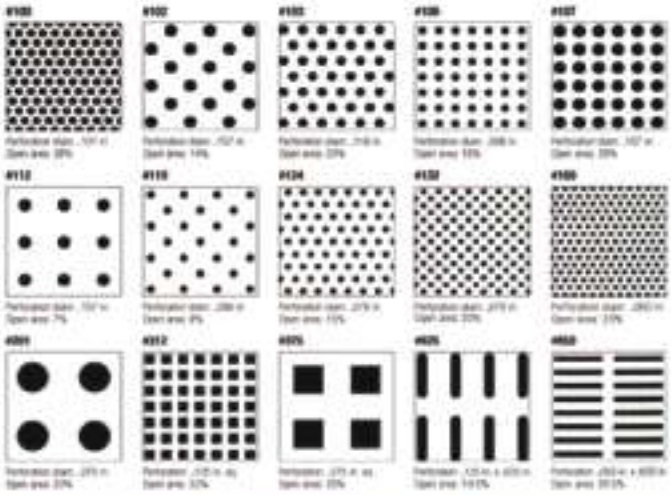
Technical Performance

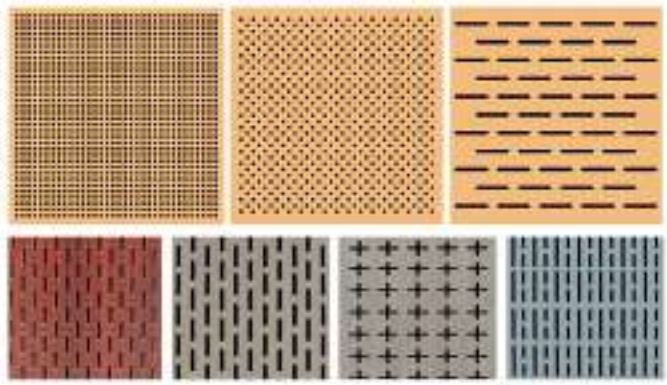
Ignitibility- 'P' - BS 476 Part 5
Surface Spread - Class I - BS 476 Part 7
Fire Propagation Index - 5.17 - 135 476 Part 6

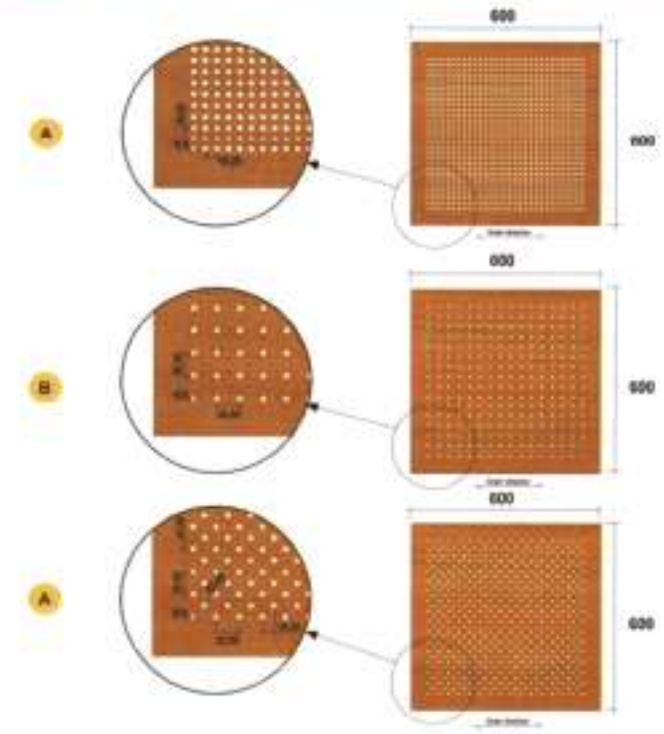
Green Products

All materials comply with national environmental standards, very low levels of formaldehyde, and products have naturat fragrant wood.

Woody Rift Varients

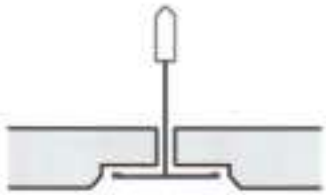




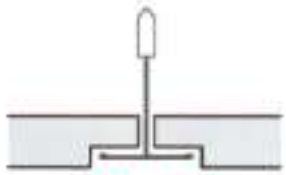


Installation Detail

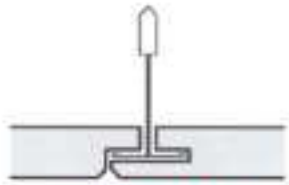
SQUARE EDGE



BEVELED TEGULAR EDGE



TEGULAR



CONCEALED T

Exposed

Groove

Tongue & groove Type A

Tongue & groove Type B

Application

Auditorium, Theaters, Recording studio, Music hall, Stadium, Lecture Hall, Hotel, Museum, Library, Banks, Courts, Multi-function hall, Meeting rooms, Business office ,Conference Hall, Advanced villa or private living room and other public places for improvement of the environment.

Fabric Facia Acoustic Panel

Fabric Wrapped Acoustic Panels an attractive, versatile, rigid fiberglass panel that are an aesthetically pleasing solution to your reverberant noise problems. Also known as Fiberglass wall panel or acoustical wall panels, these sound absorption panels can reduce the reverberation in large spaces and improve room acoustics for the ease of listening to speech and music. Resin hardened edges are an option for increased durability on panel sides and corners. Wall and Ceiling panels are designed for high traffic areas requiring impact-resistant tack able surfaces with excellent acoustical absorption. Consists of a semi-rigid acoustic fibre glass core covered with an acoustic fire retardant fabric.

Features

- High sound absorption frequency, good effect on absorbing low, middle, and high frequency noises.
- B1 grade fire-resistance and El grade Environmental protection,

  inflammable, decorative and easy to install, unpolluted by dust, etc.
- Various kinds of facings and colors for your choice, cloth can be supplied by customers.

Recycled Content

Eat-cons fabric facia High Impact panels utilize fiberglass board core that is eligible to bear the Green Cross label for recycled content .The board is certified on average to contain at least 35% recycled glass, with 9% post-consumer and 26% pre-consumer content. And for your LEED® project, our acoustical panels can help you qualify for recycled content points under the Materials and Resources section. Other LEED® categories may also apply depending upon the project requirements.
The R-Value is resistivity to heat or cold, and is an important factor in choosing a finish.

Properties

Thickness	25,50 mm
Edge	Square, Bevel
Sizes	595x595/1195
Sound Absorbtion	Upto 0.95
Density	110 Kg/m3
Fire Class	1 & A
Climate (RH)	90
Weight	1.5 Kg/m2
Light Reflection	85 %

High Performance

The process of sound absorption involves the conversion of sound energy to another form of energy. When the sound energy hits our panels, the energy is converted to heat energy through the friction and resistance of the sound energy when air molecules are forced through the pores of the insulation.



Durability

Fabric Facia Acoustic Panels come with resin hardened edges. The fiberglass core of our acoustic panels is firm and resists impacts.

Installation

Fabric Facia can be installed using a variety of different mounting methods including: Mechanical clips (z-clips), Impaling clips ,Z- bar.

Endless Design Potential

Fabric Facia Acoustic Panels are custom built to your specifications. Architectural interest is added by ordering our panels with square, beveled, mitered or rounded edges.

Fabric Covering Variety

Fabric Facia Acoustic Panels are available with an endless variety of fabric options. Choose the fabric color and texture that best matches your existing decor. If desired, we will match your fabric of choice.

Application

Auditorium, Theaters, Recording studio, music hall, Lecture Hall, Stadium, Hotel, Home Theatre, Museum, Library, Banks, Courts, Multi-function hall, Meeting rooms, Business office, advanced villa or private living room and other public places for improvement of the environment.

Stretch Soles Fabric

Stretch Ceiling Systems are decorative membranes that can be used in nearly any application. The membranes are most common for creating ceiling applications, but may also be used to create wall applications, ceiling and wall murals, suspended 3-D panels, or freestanding features. They can be given virtually any shape. The membrane is made with a special polyvinyl chloride base that is guaranteed to be cadmium-free. Stretch Ceiling Systems allow the user to achieve attractive and modern designs within a short period of time while avoiding the mess typically associated with ceiling construction. The assembly process takes place by stretching the ceiling membrane across an aluminum structure that has been fastened to the wall or frame at any desired height. Stretch Ceiling Systems are the only system that can be fastened directly to the walls and do not constitute additional load to the ceiling structure.

Features

- Lower interior areas that are too high.
- Cover defects of old ceilings and hide any installations placed above the ceiling.
- Offer protection to the area below from damage caused by water leakage.
- Provide long lasting ceiling solutions and structure protection for areas with high humidity.
- An attractive decorative finish and deliver perfection that cannot be achieved with traditional sheetrock. paints. or suspended ceiling tiles.
- Translucent membrane finish can cover entire ceiling and, when backlit, can offer beautifully diffused lighting.
- Enhance the acoustical properties of any room.
- Fantastic option for Clean Room applications as they have a smooth washable surface. Available in an anti-bacterial and anti-fungal finish, are completely impermeable to air, and are Class A fire rate.

Acoustics

Stretch Ceiling Systems can act as a special resonance absorber, also called a micro-perforated sound absorber. The sound absorber is available in 250.000 perforations per square meter. This enables the user to apply an acoustic treatment to any area without compromising the cosmetic look of the project. The micro-perforations convert sound energy into heat energy. The friction of air in the holes is reinforced by the volume of air trapped between the material and the backing (wall or ceiling), which generates the impressive acoustic properties of the sound absorbers. The diameter of the perforation holes, the distance between the holes, the thickness of the panel, and the thickness of the air space between the panel and backing determine the sound absorption coefficient of a micro-perforated sound absorber. These four variables allow you to meet various room acoustic demands for speech, music, or general noise control for a more pleasant and comfortable environment. This system can be applied to all of Stretch Ceiling Systems colors and finishes.

Illuminated Panel

The Translucent Stretch Membrane offers a fantastic opportunity to create clean-and-cool or loud-andcolorful lighting effects. Light diffusion, backlighting, and front or rear projection are utilized to illuminate the membrane. Any type of lighting fixture can be used, although fluorescent and LED are most popular for creating unique lighting designs. When light bulbs need to be replaced, there are three options:

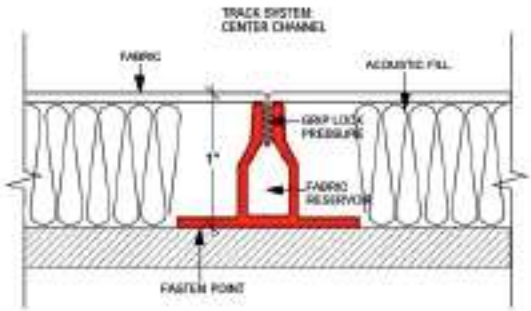
1. Service call -a technician will come out to remove and reinstall membrane.
2. Removable access panel-panel is designed with opening mechanism or system.
3. Suspended panel -designed with easy to reach light bulbs.

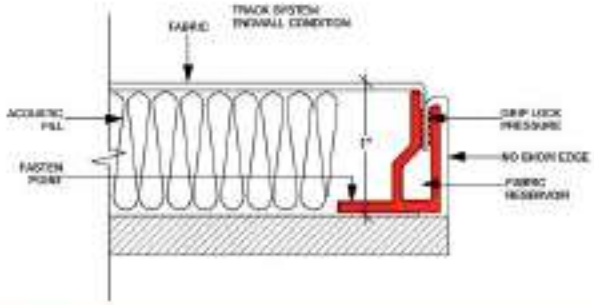
Large Spans

Earcons Stretching Solesfab System space of maximum 5x50m can be covered seamlessly in a single span.

Installation

Stretch Ceiling Perimeter Track is fixed into place at the designated height.
The Stretch Ceiling is stretched and installed into the Perimeter Track.





Applications

Auditorium, Multiplexes. Domes, Home-Theaters. Airports. Recording studio. Television station. Music hall, Large entertainment city, Hotels, Hospitals, Museum, Indoor Stadiums, Library. Banks, Courts, Multi-function hall, Meeting rooms, Business office, Lecture Halls, Advanced villa, Industrial Spaces, Retail Outlets and other public places for improvement of the environment.

Eco Friendly

Earcons Solesfab basic element of polymer is polyurethane, which has properties of polymerisation and allows to create an ecofriendly material.

Stretched Paneling

Features

- Effortless to integrate outlets, switches and lighting
- All work finished on site
- Perfect tolerance close to all architectural situations
- No sagging, gaps, or misfitting of fabric
- Takes virtually any kind of fabric
- Any depth can be accomplished or multiple panel depths can be applied
- Multiple core materials can also be utilized
- Finished edge is tight to wall
- Fabric can be separated for replacement
- Fabric is stretched. not glued; allows for high tension applications

Easy to fit around Arhitectural Design

Owing to the nature of the installation method used to fit Stretch Wall Systems. it becomes effortless to form shapes and designs. which are generally not formed by the traditional systems.

Bigger Panel Area

These are wrapped with acoustic panels which are usually small in size, typically 3mx1 .2m maximum. This means that when large areas needed to be covered then there will be many joints and seams.

Stretching Systems

We bringing a newest range of Stretch Acoustic System, which is a stretch fabric system widely demanded for its high caliber acoustic performance with the warmth, high quality and removable fabric finish for walls and ceilings. Add beauty and ace for an effective sound control by connecting fabric panels with the finishes in the other surface.

Environment and Sustainabilit

Being a self supporting system, it allows us to utilize more environmentally friendly core materials such as recycled glass I polyester; fiberglass, etc. These materials are made up of natural bind s and higher recycled glass content.

Reduced Maintanance

When fabric is inserted with the plastic track system. it can be removed and replaced. The damaged areas or a easy change of color scheme is simple to maintain and can be availed at competitive rates than having to replace the panels.

Acoustic Performance

With an NRC rating of 0.85, the Stretch Acoustic System can dramatically improve speech. By cutting down unwanted internal noise a workspace can be bonneted greatly.

Iso Aco Panel

Illuminated Panel

Earcons Iso Aco Sandwiched HD Panel combines with sound-deadening properties of a sound board to help support a peaceful interior environment. It is a high density, non porous material that exhibits a non- resonant quality due to in flexible nature. and is one of our most popular sound Isolation products. The Iso Aco Panels control noise by blocking the transmission of sound energy and damping vibrations caused by sound energy. I so Aco Panel can be added to a variety of common wall/ ceiling constructions to improve the sound blocking performance of the structure. Iso Aco performs well when trying to deter common noises with average decibel levels 40-50 db. These noises can be generated from voices, TVs and stereos. Iso Aco sandwiched HD fiber panel that provides an economical component for sound isolation systems in residential and commercial construction. Helps reduce sound transmission through partitions, surrounding walls, ceilings and floors. Deadens sound transmissions in higher frequencies within our hearing range and can reduce sound transmission through interior or exterior walls. Lightweight, yet rigid for easy installation.

FIRE-RESISTANCE RATED ASSEMBLY

Earcons Iso Aco Panel is component for multi functional and commercial wall systems requiring a one-hour fire rating.

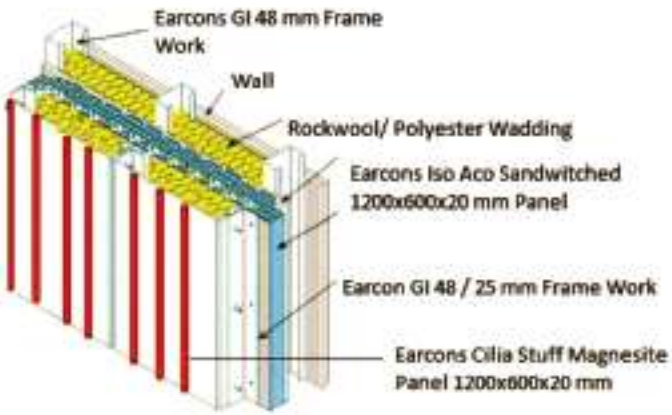
Environmental Friendly

Earcons Iso Aco Panels are bonded with HD Fibres bonded are environmental friendly construction and insulation materials as they do not comprise organic binders.

Technical Performance

Thickness	:	20mm
Edge	:	Square
Fire Class	:	I & P
Sizes	:	600 x 1200
STC	:	40 - 50 db
Density	:	1500 kg/m3
Climate IRHI	:	99
Weight	:	25 kg/m2

Installation System



Application Areas

The wide application spectrum comprises of such areas:, Auditorium, Multiplex, Library, Hotels, Indoor stadiums, Meeting halls. Hospitals, Educational, Industrial, Airport. Recording studio, Manufacturing Units, Museum, Malls, DG Room, Banquet Hall & Residenses etc.

Earcons Aco Baffles

Earcons Acoustic Baffles

Earcons Acoustic Baffles are used to reduce noise levels in industrial, recreational. and other high noise areas, and are suspended from wires or from the structures. Actual room noise reduction can be up to 10 to 15 dB depending on the configuration of the space and the absorption present before installing baffles. Earcons Acoustic Baffles are having good noise absorbing material with 0.85 NRC and are available in fine glass wool and polyester as the core element. Earcons Acoustic baffles design categorized in to Flock Baffles and Steep Baffles.

Earcons Acoustic Flock Baffles

- High acoustic performance
- Can be installed as individually or in groups
- High acoustic performance
- Elegant Appearance
- GREEN concept production
- Comply with ASTM Standards
- Good Fire Characteristics as per ASTM References
- Good RH value

Earcons Flock Baffles are engineered acoustical products with an all-round scrim facing, finished with a new. factory applied, high white paint finish giving exceptional levels of acoustic performance and light reflectance. Ideal for noisy environments where traditional acoustic ceilings are either not possible for structural design reasons, or cannot provide the high level of performance required, Acoustic Baffles provide an economic solution with an attractive linear visual to enhance modern building interiors.

Specifications

Acoustic Flock Baffles

Finish	:	Fabric Finish
Thickness	:	25MM , 50MM
Sound Absorption (NRC)	:	Up to 0.85
Design	:	Circular or poly edges
Core	:	Polyester/Glassfibre
Density	:	100 Kg/M3
Fire Class	:	Class A
Type	:	Non Grid

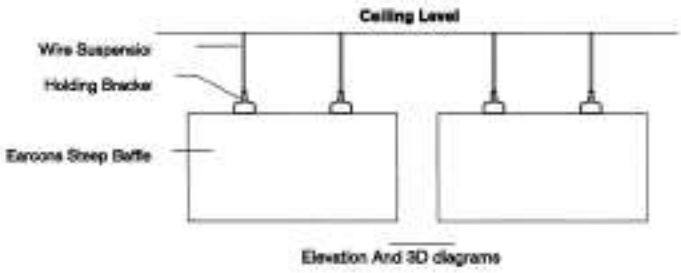
Earcons Acoustic Flock Baffles

Acoustic Stee Baffles

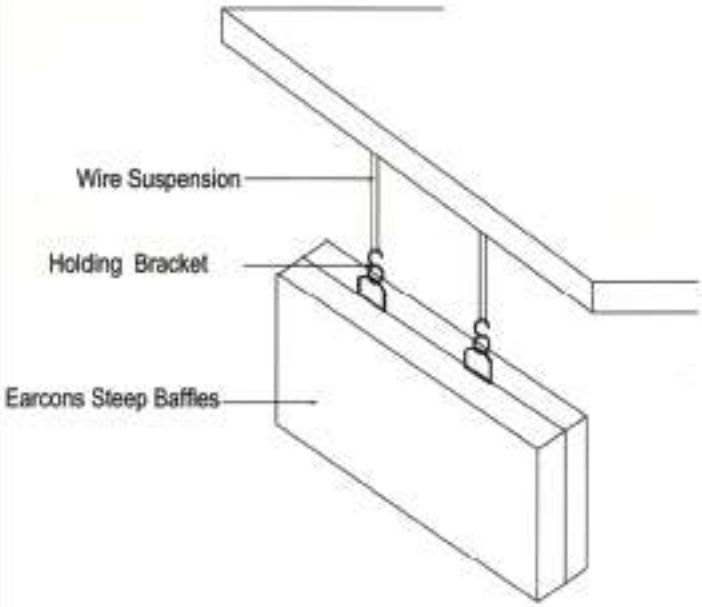
Steep Baffle designed to reduce sound reverberation and provide a more peaceful environment with its steep structure. These baffles are wrapped with a soft synthetic suede fabric, and their strong soundabsorbing performance, durability and eye pleasing appearance are unmistakable. These baffle products are Class 1 lire rated and offer high sound absorption ratings, NRC .80 The Acoustic hanging baffles are constructed with grommets. which allow for a quick and easy installation.

Finish	:	Fabric Finish
Thickness	:	25 MM,50 MM
Sound Absorption (NRC)	:	Upto 0.80
Design	:	Rectangular
Core	:	Polyester / Glassfibre
Density	:	100 Kg/M3
Fire Class	:	1 & P
Type	:	Non Grid
Sizes	:	1200x600; 1800x600

Earcons Acoustic Steep Baffles

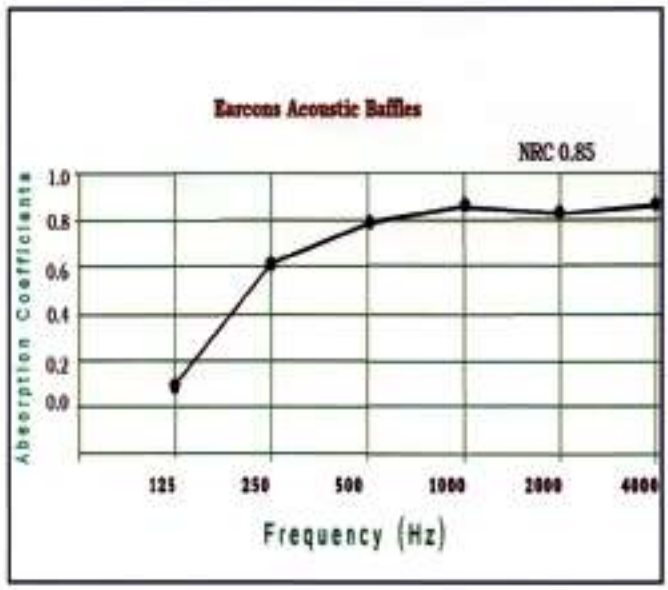


Elevation And 3D diagrams



Standards and references

Earcons Acoustic Baffles can significantly reduce background noise levels and reverberation times within spaces and enhance speech intelligibility. Acoustic Standards and Tests are as per ASTM C423. Surface burning charecteristics complies with ASTM E-84



Raised Access Floor System

Accessible floor systems offer both the user and the building owner great flexibility on how the workspace can be used and reconfigured. The ability to route and re-route services, such as data and power delivers great versatility.

Earcons offers the following advantages.

- Creates an open plan. versatile and flexible environment
- Durable, cost effective solution for current and future business requirements
- Delivers power, telecoms, data and other services precisely where required
- Facilitates rapid and easy re-configuration, with minimal disruption
- Provides passive ventilation or conditioned air options
- Offers a wide choice of high quality, durable and aesthetic floor finishes

Materials:

Top tile is HPL. PVC, bottom painted phenolic resin, SPCCID solid steel made from Baostell, cement infilling, conductive regular, pedestal pressure formed by steel plate, Fire resistance, water proof. dust proof, corrosion protection pollution-free, antistatic Simple for fixing, convenient for wiring Height of pedestal could be adjustable at discretion Tile could be custom-tailor.

Technical Properties

- Earcons floor hard used cold rolled steel.
- Cross strengthening rib "Structure elegant Ap pearance many time reshapes, high dimensional precision.
- To maintain high quality of standard. "We use cross strengthening rib structure which can carry more 20% loading than any other standards.
- High quality paint. difficult to rust. high wearing capacity.
- GB foaming cement free of cinder, filled with unique strong oscillatory type.
- Rolling paste tile, uniform pasted with strong glue difficult to drop.
- Advance multipoint spot welding, uniform bonding point, strong structural capacity.

Life span : Earcons Acoustic building system offering 10 -15years life span of Raised floor.

Size : 600 x 600x30mm. 600 x 600 x 35mm,

Applications

DATA Center. Hotels, Hospitals, Residential, Offices, Educational. Call Centers Research Labs, Public Building, Educational. IT Sectors , Retail & Commercial Spaces.

Polyester Wadding

Earcons is proud to introduce our high-performance range of 100% polyester thermal and acoustic insulation products, designed for the residential and commercial buildings. Polyester Wadding insulation is used around the world to create buildings that are warm, dry, quiet, healthy and energy-efficient, and with enhanced 'green' building credentials. Polyester is the name of the fibre extruded from polyethylene terephthalate (PET), a widely used synthetic fibre traditionally used in clothing and bedding. Most of the polyester we use has been recycled from various sources such as plastic bags and packaging. Polyester does not "leach" any chemicals and is food safe. The polyester fibre we use is the same as that found in clothing and bedding. Polyester is also used extensively in medical applications due to its safe nature. Polyester fibers do not contain nor produce any ozone depleting substances or gases. They are also odorless and contain negligible volatile organic chemicals (VOCs). Polyester is classified as "no more toxic than wood".

Thermal and Acoustic Insulation

Earcons Polyester Wadding polyester insulation range offers the widest range of thermal and acoustic insulation products under one brand in the Indian market. We offer a full suite of thermal and acoustic solutions for walls, ceilings, roofs, and under floors to suit most residential and commercial projects.

Thermally bonded with no chemical additives

Earcons insulation products are made from 100% polyester fibre bonded using heat instead of traditional chemical binders. Polyester is naturally resistant to fire, moisture, vermin, insects, mould and bacteria, eliminating the need for any chemical additives.

Eco-friendly manufacture and recycling practices

Earcons is committed to Quality and Environmental best practice Quality and Environmental Management Systems. Earcons takes its responsibility as a manufacturer seriously, and as such we've chosen to use and formally declare the minimum recycled content in our insulation products. While some of our products can contain up to 85% recycled content, we believe it's important not mislead our customers with "up to" claims.

Fire Resistance

Polyester is fire resistant material - it requires quite high temperature to burn. However fires can still occur due to poor installation of Polyester particularly where batts cover down lights & ceiling fans which can cause them to overheat.

Durability

Earcons Polyester wadding insulation products are exceptionally durable. They won't slump, settle or deteriorate over time and they are backed by Earcons 15 years Durability Warranty.

Application

Auditorium, Theaters, Recording studio, Music hall, Stadium, Lecture Hall, Hotel, Hospital, Museum, Library, Banks, Courts, Multi-function hall, Meeting rooms, Business office, Partitions, Conference Hall, Advanced villa or private living room and other public places for environment.

Earcons Acoustic Doors

Earcons Acoustic wood and metal acoustical doors are used in premier live performance venues and industrial applications where noise and sound control is of primary concern. Greater importance is consistently high in-field noise reduction attained under actual job conditions. We delivers a fully factory assembled door unit including leaf, time saving split frame, seals. latching hardware and glazing. All of Earcons Doors acoustic door sets are tested to ISO 140-3 and will come with a certification tag stating the STC rating of that particular door set. Each acoustic door in the Earcons Acoustic Doors range can also be certified as a Smoke Control door set. Enfield Doors are specialist Acoustic Door manufacturers and supply bespoke interior fire doors, our years of experience combined with the skill of our craftsmen make us the leading experts in optimizing the acoustic performance of any type of door.

We manufacture all specialize in non-standard and custom sized doors for a wide range of acoustic uses, including:

- Auditorium, Multiplexes and Home Theatre
- Music Halls and Concert Venues
- Hotels, Offices and Factories
- Public Buildings, Museums and Galleries
- Hospitals and Nursing Homes
- Schools. Colleges and Universities

We take care to fully understand your exact requirements. so that we can recommend the correct technical specifications for your acoustic or soundproof doors.

Features

Testing of acoustic door/frame units by independent laboratories complies with the most up-to-date standards on the continent. Fire labeled products have been tested. Fire labeled products may be supplied in singles or in pairs.

Sound resistance Wood and steel doors are available 1 3/4" thick from STC 33 to STC 54. Sound resistance Wood and steel doors are available at greater thicknesses from STC 54 to STC 64.

Units have been designed to accept readily available heavy weight builders hardware. Soundproof steel doors are available with acoustic glazing that is factory pre-installed.

Acoustic Series

These doors range from STC 35 -STC 54 and are available as single or pair door sets. The Earcons series offers a widest range of leaf facings and frame profiles to date. With large vision panel capabilities these door sets offer a fantastic combination of architectural elegance and certified acoustic performance.

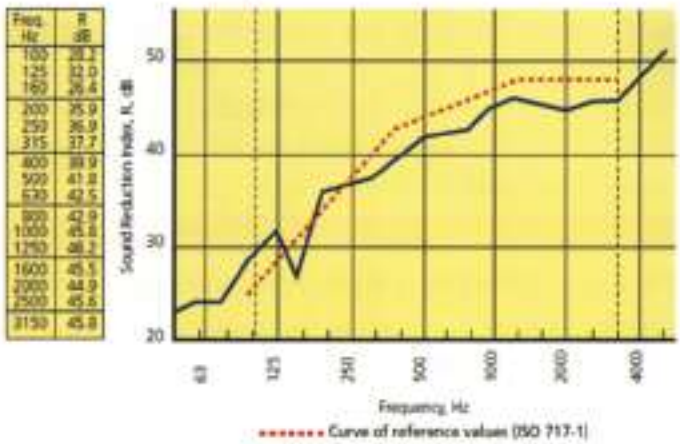
Fire Rated Acoustic Doors

Fire rated acoustic doors are an integral part of the commercial building industry. Whether it is entry doors in a large apartment complex, or lecture theatre doors in a university, Pacific Doors offers a product that is manufactured to the highest fire door standard Upto 120 mins with certified acoustic performance to ISO 140-3.

Interconnectin Doors

Interconnecting Doors are two doors that are hung in either a common or separate frame. The configuration of the two door leafs is selected depending on your acoustic and other performance requirements - whether that be Fire protection, Security or aesthetic. Earcons Doors range of interconnecting doors range from STC 48 -STC 61. Common applications for these doors are either tel/motel room separating doors or music studio doors.

Rw 44 decibel single leaf acountic doorset.

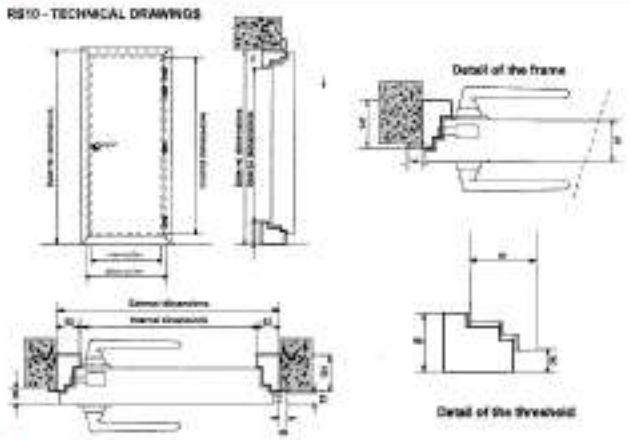


Advantaes

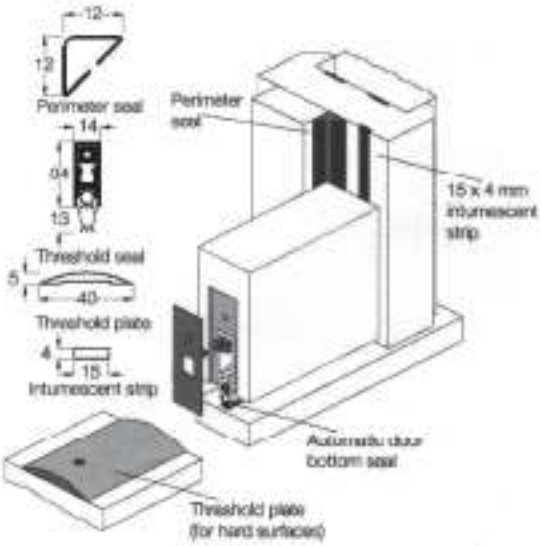
A professional door with exceptional acoustic insulation. Automated manufacturing process. Standard models and special requirements. A wide range of accessories.

Technical Detail

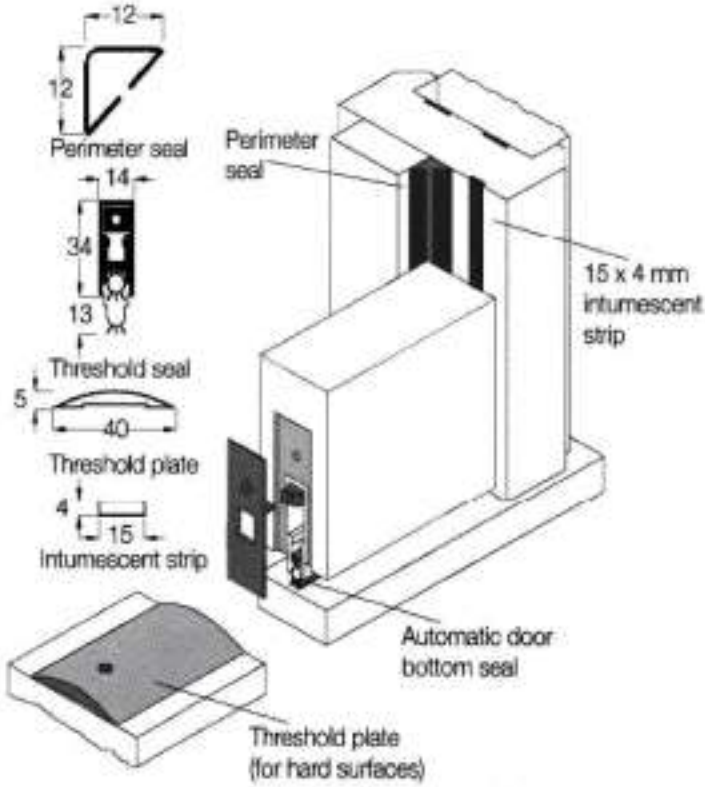
1.



2.



3.



Application

The Single & Double acoustic internal door sets are fire rated & available in a wide range of wood & Laminate finishes. They are used wherever high sound reduction performance required between noise sensitive area such as Private offices, Conference Hall, Auditorium, Theaters, Recording studio, Music hall, Stadium,. Lecture Hall, Hotel, Museum, Library, Banks, Courts, Multi-function hall, Meeting rooms.

Auditorium Chairs Series

Our main function as a market leader is to provide quality Auditorium, Lecture Hall & Multiplexes Seating System. In addition to varying seat widths, back pitch, shape, and color. Preferred arrangement can provide you with assistance on the design, layout, and installation This is a great way to complete chair design solution for your world class quality facility and aesthetics value is our trademark.

This kind of multipurpose seating can also benefit schools, universities, churches, that need flexibility in classrooms, lecture halls, sanctuaries, lobbies, and conference rooms.

Safety & Comfort

- Serpentine spring or Metal sheet for inner comfort support system - field reconfigurable
- Ductile iron hinges with extended length 1/8" (3mm] U-Channel hinge supports
- Quad-Bearing permanently lubricated hinge alignment systems with dual lift springs
- Seat Lift System: 3/4-Fold "Space Saver" or 5/8-Fold "Easy Sit" Systems with Push to Full Fold for easy row passage - field reconfigurable.

Support Systems

- Welded Steel & Ductile Iron Standards
- Floor Mount & Riser Mount Standards
- Beam Mount Systems

Style & Continuity in our Venue

- Low & High Back Chairs -Styling Continuity
- Plush & Value-Minded Club and Suite Seating Solutions
- Durable & Comfortable General Seating
- Fixed and Telescopic Seating Solutions

Comfort & Upholstery Solutions

- 2" & 3" back foam solutions
- Dual-Density & Lumbar foam solutions
- 33" -42" back height solutions
- Back upholstery styling solutions include fabric tucks & pleats, embroidered logos, etc.
- Wood veneer outer back solutions available in chairs

Tip up with Writing pad

Tip up Chair

Auditorium Chairs Series

Push Back Chair

Push Back with Cup Holder

Push Back with Wooden Handle

Fabric Insert Seat Pan | Wood Insert Seat Pan | No Insert Seat Pan

Wood Insert Armrest with Cupholder | Leather Insert Armrest with Cupholder

Wood Armrest | Wood Armrest with Letter Insert

Number/Letter Plates

Fabric & Finishes

Fire Retardant Fabric are available with an endless variety of fabric options. Choose the fabric color and texture that best matches your existing chair decor. If desired, we will match your fabric of choice.

Application

It is widely used in environment has high sound absorption requirement, such as: Multiplexes, Auditorium, Lecture Hall, Home Theatre ,Gymnasium, Library, School, Hospital, Office building, Shopping centre, IT Sector, Airports, Hotels, Recording Studio, Courts, Conference Hall, Educational, Lecturer Hall, Offices, BPO's etc .

POLY ACO PANEL

Earcons Polyester acoustic panels are environmentally friendly sound absorption board, made of 100% pure polyester fiber. They have more advantage than the traditional mostly used sound control panel glass wool and they can be used as polyester wall panels and polyester ceiling panels.

Thermal bonded without Chemical Substance

Polyester fiber acoustic panel is made of 100% polyester fiber and is bonded using heat rather than conventional chemical adhesives. Since polyester is naturally resistant to moisture, pests, insects, moleds and bacteria, so do polyester acoustic panels. Our polyester n1aterial is non-toxic, non-irritating, nonallergic, and safe for people who touch it. This means that there is no annoying itching and scratching, and there is no ongoing health problem for the building occupants.

Eco-Freiendly and Recycling

The Earcons polyester acoustic panels are made of polyester fiber only and therefore fully recyclable at the end of their life. The panels are n1anufactured according to our zero waste policy and use low-energy production processes, making them one of the most environmentally friendly absorption and insulation solution on the market.

Health & Safety

No glue is used in manufacturing polyester decorative wall panels, while some other forms of insulation products are bonded with glue. It is known to all that the many glues breaks down over time and releases a chemical substance called formaldehyde which causes health problems. Polyester has no negative impact on health. The hot-bonded polyester fiber acoustic panel does not release the fibers into the air. That's why it is used for many hospital and building with air conditioning systems.

Properties

Thickness	:	9, 12, 25 mm
Edge	:	Square
Size (mm)	:	1220 x 2440
NRC	:	0.90
Density	:	160 - 226 Kg/m3
Climate (RH)	:	90
Weight	:	1.8- 2.0 Kg/m2
Fire Class	:	B

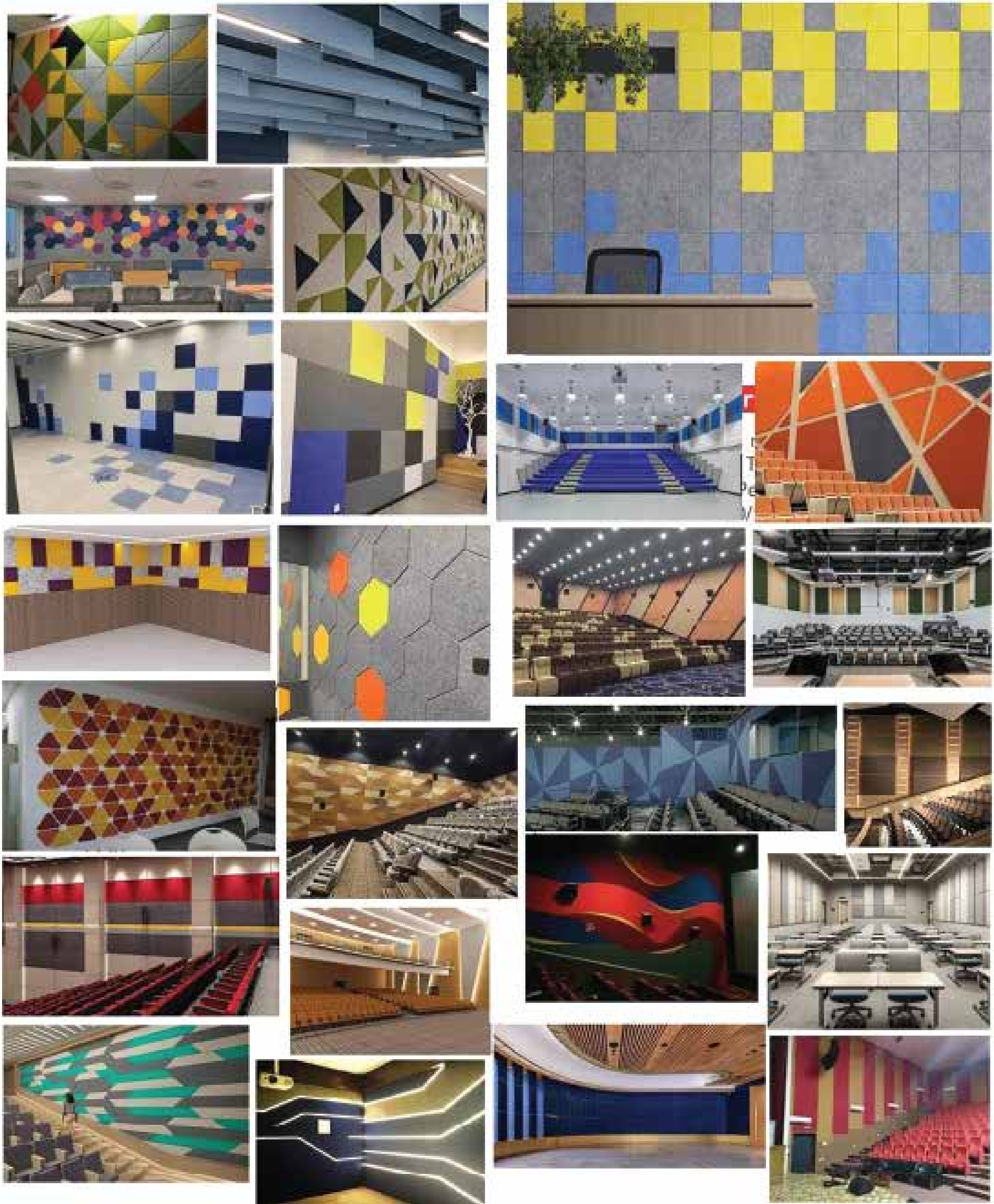






Application

Auditorium, Theaters, Recording studio, Music hall, Stadium, Lecture Hall, Hotel. Museum, Library, Banks, Courts, Multi-function hall, Meeting rooms, Business office ,Conference Hall, Advanced villa or private living roo,n and other public places for improvement of the environment.



Earcons Ceiling Suspension Grid

G.I. SLIM LINE (16X32)

Main	Cross	Wall Angle
 15x32x3600 mm	 15x23x600 mm 15x23x1200 mm	 18x12x3000 mm

Fire Reaction	I/A	Performance	Indoor
Corrosion Resistance	Yes	Maintenance	Wet Wipe
Seismic Resistance	Yes	Core	Galvanised
Green	Yes	Thickness (mm)	0.3

G.I SILHOUETTE (15X42)

Main	Cross	Wall Angle
 15x42x3600 mm	 15x42x1200x0.3 mm / 15x42x600x0.3 mm	 20x20x3000x0.3 mm

Fire Reaction	I/A	Performance	Indoor
Corrosion Resistance	Yes	Maintenance	Wet Wipe
Seismic Resistance	Yes	Core	Galvanised
Green	Yes	Thickness (mm)	0.3

G.I PLAIN (24X32)

Main	Cross	Wall Angle
 24x32x3600x0.3 mm	 24x23x1200x0.3 mm / 24x23x600x0.3 mm	 24x24x3000x0.3 mm

Fire Reaction	I/A	Performance	Indoor
Corrosion Resistance	Yes	Maintenance	Wet Wipe
Seismic Resistance	Yes	Core	Galvanised
Green	Yes	Thickness (mm)	0.3

G.I. PLAIN (15X30)

Main	Cross	Wall Angle
 15x30x3600x0.3 mm	 15x23x1200x0.3 mm / 15x23x600x0.3 mm	 20x20x3000x0.3 mm

Fire Reaction	I/A	Performance	Indoor
Corrosion Resistance	Yes	Maintenance	Wet Wipe
Seismic Resistance	Yes	Core	Galvanised
Green	Yes	Thickness (mm)	0.3

Frame Work - Paneling

EA CC 25

80 x 26 x 51 x 0.5 x 3660

EA FC 50

50 x 32 x 32 x 0.5 x 3660

EA SC 70

70 x 34 x 36 x 0.5 x 3050 / 3660

EA SC 48

48 x 34 x 36 x 0.5 x 3050/3660

EA FC 72

72 x 32 x 32 x 0.5 x 3660

EA FC 94

94 x 32 x 32 x 0.5 x 3660

EA SC 92

92 x 34 x 36 x 0.5 x 3050 / 3660

Keen 18 mm

18 x 21 x 2400 x 0.5 mm

earcons
acoustic building system

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