



ABOUT US

Over the course of our pioneering history, with 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 ACOUSTIC BUILDING SYSTEM began to serve the needs of the Acoustical Ceilings, Walls, & Dry wall industry around Middle East country. Since its inception “ Earcons Acoustic Building System” has grown to become the prominent in the field of Dry Walls, Acoustical Ceilings, Walls & Floors.

Vision

We aim to be leaders not only in the Acoustical solutions industry, but also all of our relationships. We are a company with sound vision for the future based on sustainability, excellence, and innovation.

Mission

We work with other in a collective pursuit of excellence. Collaboration is at the core of all our relationships. We collaborate with customers, colleagues, and other technical partners in order to reach common goals. We act with honesty, responsibility, and respect towards all the people and organizations with which we interact.

Values

Our values define the character of our company, just as much as the products and services that bear the Earcons Acoustic Building System brand.

The Benefits of Good Room Acoustics

- **Increased Concertation:** When lots of sound is travelling to the ear from different directions and a person cannot determine the source, the result is disruption which has a massively detrimental effect on concentration. Good room acoustics ensure that noise is absorbed before it hits a person's ear, guaranteeing that there aren't any disruptive effects on concentration.
- **Effective Communication:** Effective Communication relies on good room acoustics. When a room suffers from a problem of excessive noise, the sound of the voice gets lost which results in poor speech intelligibility. Similarly if lots of hard surfaces are causing sound to bounce around the room and cause an echo, the reflections inundate each other and make speech difficult to hear and understand. A room with good acoustics controls the noise levels so that the sound and clarity of the voice is not lost.
- **Acoustic Comfort:** Noise can rise to uncontrolled levels when lots of people are talking and moving or there are too many noise sources and not enough sound-absorptive materials in a room. Good acoustics ensure that noise is absorbed at the right level to afford a comfortable environment in which to work, relax or listen.
- **Increased Productivity:** It's no surprise that excessive noise and poor acoustics can have a detrimental effect of productivity. Not only does it affect communication and concentration, unwarranted sound can also effect morale and make workers less productive in their roles. A comfortable acoustic environment is crucial to productivity and morale, particularly in working spaces.
- **Privacy:** Whether it's a private doctor's office, an open plan office, or a restaurant, a certain degree of confidentiality is important in most room types. When there are no sound absorptive materials in a room, privacy between room users or between adjoining rooms can be seriously compromised as there is nothing to stop voices from travelling. Good room acoustics are essential to ensuring privacy.
- **Proper Functioning of AV/VC Equipment:** Audio visual, video-conferencing and tele-conferencing equipment is extremely sensitive to the problem of poor room acoustics and in particular high reverberation. Expensive AV/VC equipment can seriously underperform in a room where there are no acoustic materials to absorb sound bouncing off the walls and other hard surfaces. The result is bounce-back speech carrying through the equipment after the real-time speech has been heard. This makes any communication particularly difficult for the audience to hear as the original message can be shrouded in echo. Good room acoustics are essential to ensuring soundwaves are appropriately absorbed to reduce echo.

ISO 45001:2018

Certificate of Registration



This is to Certify That The Occupational Health and Safety Management System of

EARCONS ACOUSTIC BUILDING SYSTEM PVT. LTD.

REGD OFFICE : C/2 SHYAMKUNDI, OPP. SECTOR 19 B, DWARAKA, NEW DELHI (INDIA)
MARKETING OFFICE : B 112, TIMBER MARKET, Kirti Nagar, NEW DELHI - 110019 (INDIA)

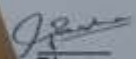
has been audited and conformed to be in accordance with the requirements of

ISO 45001:2018

The Occupational Health and Safety Management System is Applicable to :

MANUFACTURE AND TRADING OF ACOUSTICS INNOVATIVE BUILDING PRODUCTS.

Certificate No	: OBO26819	Issuance Date	: 06/09/2019
Initial Registration Date	: 06/09/2019	1st Surve. Due	: 06/08/2020
Date of Expiry*	: 05/09/2022	2nd Surve. Due	: 06/08/2021


Director

IAS ACCREDITED
Management Systems
Certification Body
MCCB-174

Aambitious Assessment Pvt. Ltd.
804, Ashok Bhawan, Building No. 93, Nehru Place, New Delhi - 110 019, India.
e-mail: info@aacertification.in, website: www.aacertification.in

Certificate Verification: Certificate Validity can be re-checked at www.aacertification.in
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*Validity of the certificate is subject to successful completion of surveillance audit on or before due date

ISO 14001:2015

Certificate of Registration



This is to Certify That The Environmental Management System of

EARCONS ACOUSTIC BUILDING SYSTEM PVT. LTD.

REGD OFFICE : C/2 SHYAMKUNDI, OPP. SECTOR 19 B, DWARAKA, NEW DELHI (INDIA)
MARKETING OFFICE : B 112, TIMBER MARKET, Kirti Nagar, NEW DELHI - 110019 (INDIA)

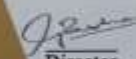
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ISO 14001:2015

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Certificate No	: EBA33819	Issuance Date	: 06/09/2019
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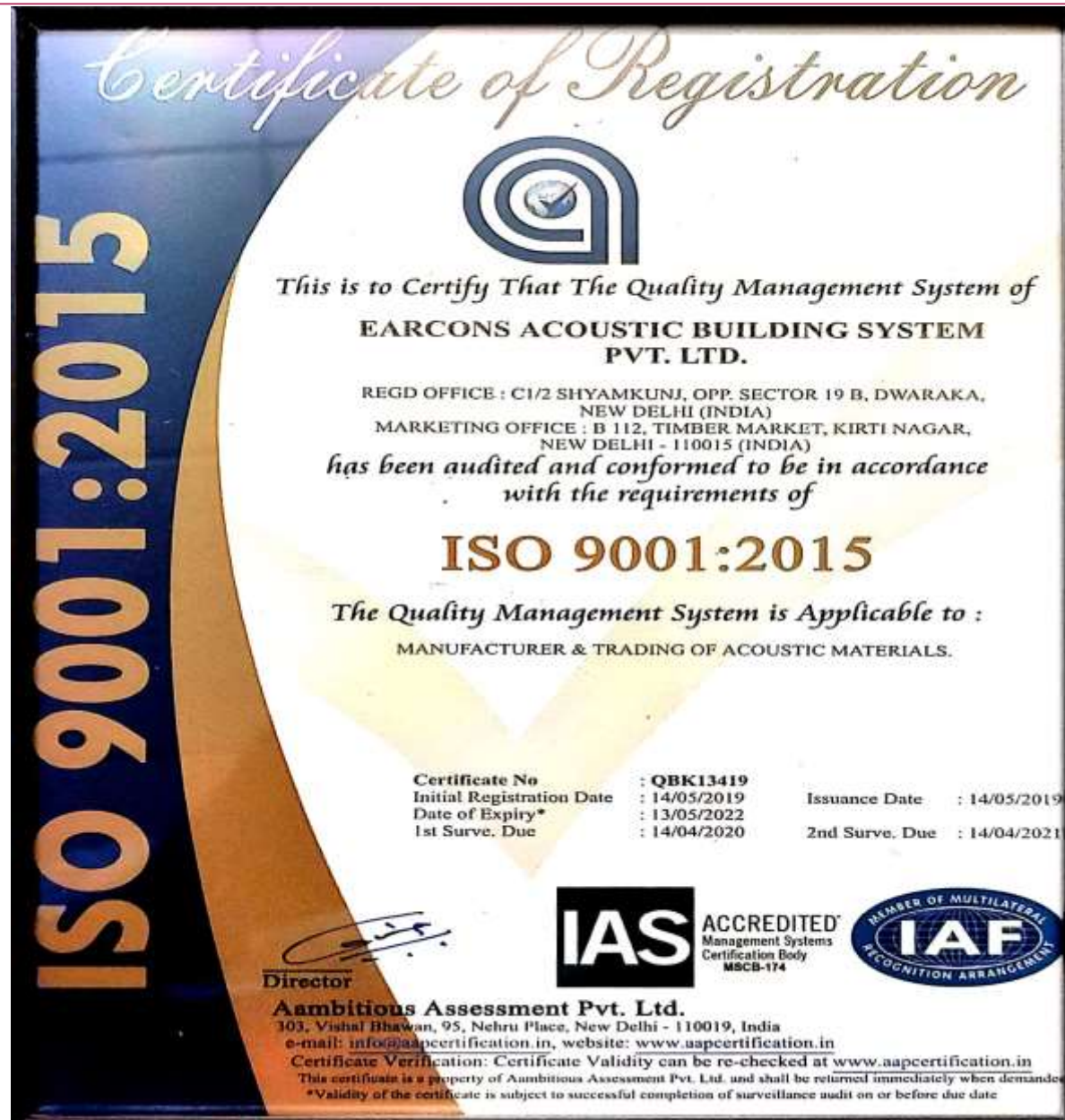

Director

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IAF
MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT

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- CEILING
- WALL PANELING
- PANELING
- FLOORS
- PARTITION
- ACOUSTIC DOORS
- INFILLS
- CHAIRS

APPLICATIONS



AUDITORIUM



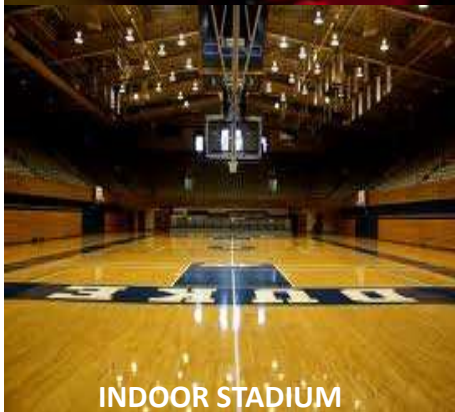
MULTIPLEX



LECTURE HALL



RECORDING STUDIO



INDOOR STADIUM



CHURCH



OFFICES



HOSPITALS



HOSPITALS



HOME THEATER



PUB



BANQUET HALL

We Care for the Environment



Fire Safety



Environment



Indoor Climate



Influence of Climate



Cleanability



Audibility



Accessibility

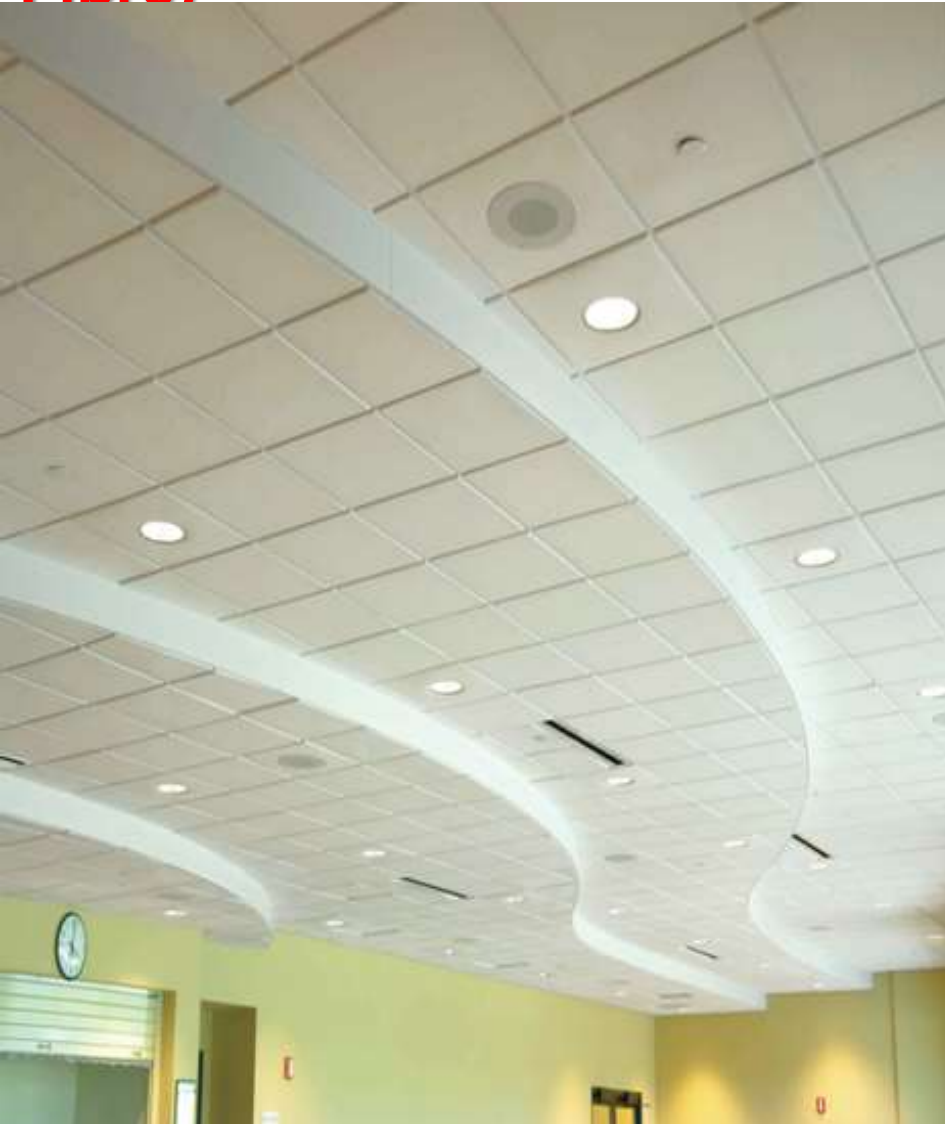


Light Efficiently

CEILING SERIES

- **SOFT FIBRE (GLASS FIBRE)**
- **MINERAL FIBRE TILE**
- **PERFORATED GYPSUM TILE**
- **MAGNESIA PERFORATED TILE**
- **METAL SYSTEM**
- **STRETCH CEILING**
- **WOODEN CEILING**
- **MAGNESIA BONDEDWOOD WOOL CEILING**
- **GRG SERIES**
- **HANGING PANEL**

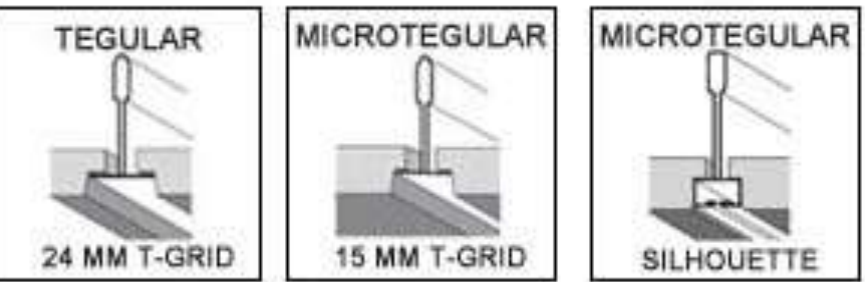
SOFTTEX ACOUSTICAL CEILING (Glass Fibre)



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

Installation Detail

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.



PROPERTIES

Thickness	15 , 20
Edge	Square, Tegalr
Fire Class	I & A
Size	595 X595 / 1195
Sound Absorbton	Upto 0.95
Density	110 kg/m3
Climate (RH)	90
Weight	1.5 kg/m2
Light Reflection	85 %

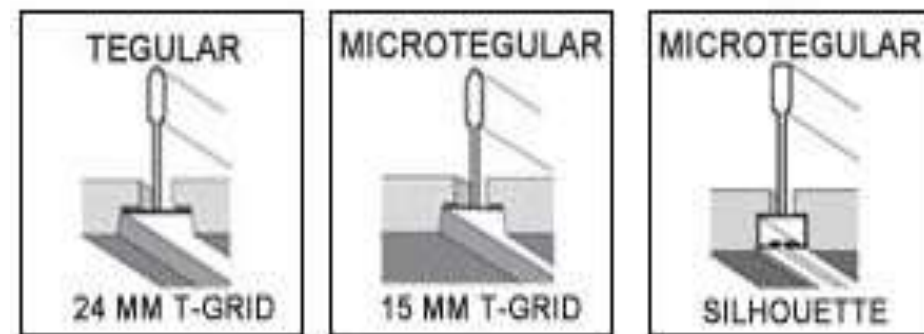
MINERAL FIBRE CEILING



Earcons acoustic mineral fiber ceiling board is a kind of high-grade construction decoration material which has so much performance, sound absorption, fireproof, thermal insulation, mould-proof, sag resistant, energy-saving, environmental protection. it is widely used in indoor ceilings in airports, corporate offices, restaurants, hotels, petrol pumps etc. Mineral cotton as the main raw material, filled with perlite for materials, modified starch binder, a one-time news for the pulp fiber reinforced materials, by adding additives, the pulping, the substrate made of high temperature and high pressure , the substrate by embossing, such as perforation of processing, surface primers, spraying with a decorative materials. Surface roughness, smooth, pure color, no colour difference, design variety, sound absorption, fire resistance, moisture resistance, heat insulation, sag resistance, class A decoration materials.

Installation

Earcons MFT 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.



Properties

Thickness	12, 15 mm
Edge	Square, Tegal
Fire Class	A
Sizes	595 x 595 /1195
NRC	0.50 - 0.65 upto
Density	280-320 Kg/m3
Climate (RH)	90
CAC	35
Light Reflectance	85 %

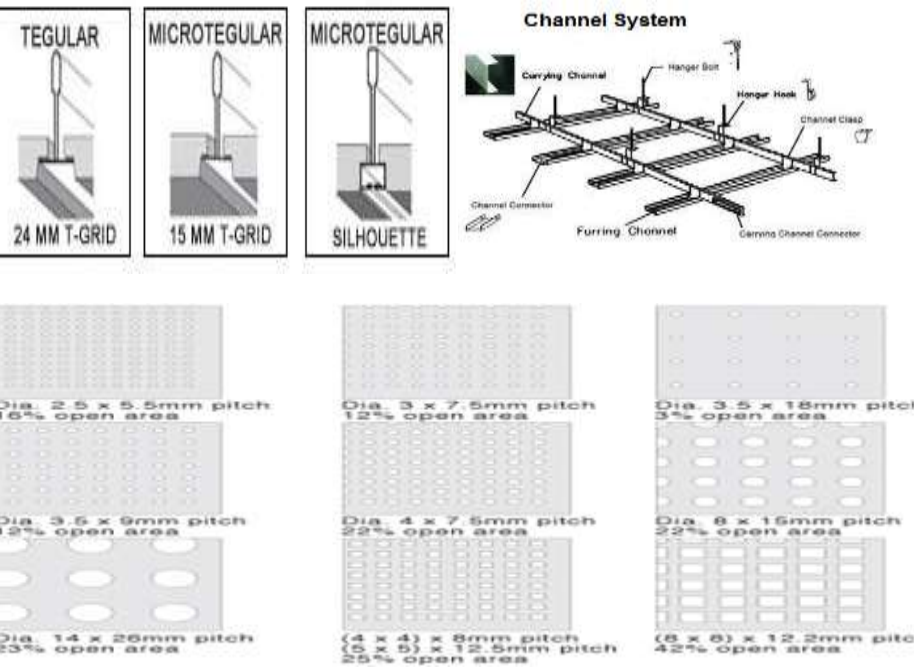
GYP ACO PERFORATED SERIES



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. Perforated Panel has been designed for use on ceilings and walls where an increased level of sound attenuation is required. Acoustic properties of the board are achieved by perforations of the board surface that absorb sound to reduce echoes and reverberation. The long edges of the panels are recessed for flush jointing to a smooth, continuous surface. Earcons perforated gypsum board is one of the best sound absorption products, it is widely used in Auditorium, Library, Office, Cinema, Church, Hospital. School, Exhibition, Studios and so on.

Installation

Earcons Gyp Aco Perforated Tile install on T-Grid & Channel suspension system.



Properties

Thickness	12.5 mm
Edge	Square, Tapper
Fire Class	A
Sizes	600x 600 /1200/2400
NRC	0.80 upto
Density	800 Kg/m3
Climate (RH)	70
K – Value	0.1 w/mk
Light Reflectance	85 %

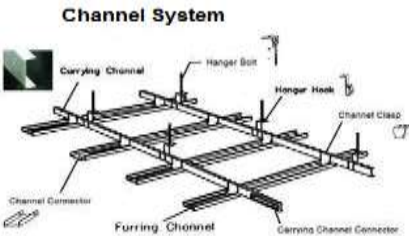
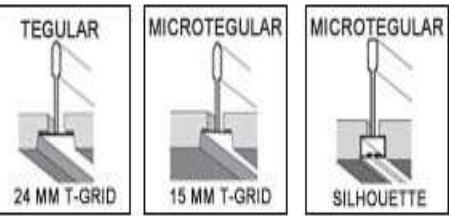
MAG ACO PERFORATED SERIES



Earcons Magnesium Oxide board is a new generation of high performance, environmentally friendly, Earcons Magnesium Oxide based building Board (MgO board) is a factory-made, non-insulating sheathing board product. It can be used for a number of applications including wall and ceiling linings, fascias, soffits, tile backing, underlayment and Wall Paneling Construction. It is made of magnesium oxide, a type of mineral cement, and is commonly called simply "Earcons Magnesia" due to its chemical composition of magnesium (chemical symbol Mg) and oxygen (chemical symbol O). Think of Earcons Magnesia as a type of sheathing board (sort of like Acoustical Wall Paneling) but with much-improved characteristic such as fire resistance, weather ability, strength, resistance to mold, mildew, and so on. The main ingredients of this product are non-toxic, eco-friendly such as: Magnesium carbonate - magnesium oxide (MgO), magnesium chloride (MgCl), perlite(SiO2), fiber glass scrim, cellulose, proprietary additives, etc.

Installation

Earcons Mag Aco Perforated Tile install on T-Grid & Channel suspension system.



Properties

Thickness	8,10,12 mm
Edge	Square, Tapper
Fire Class	A1
Sizes	600x 600 /1200/2400
NRC	0.87 upto
Density	980 Kg/m3
Climate (RH)	99
Light Reflectance	85 %

CILIA WOOD WOOL SERIES



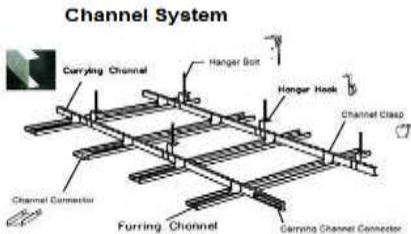
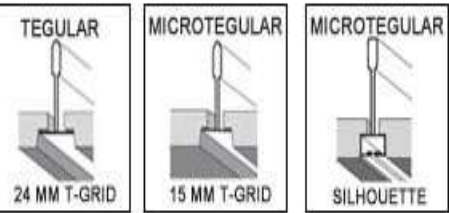
Earcons Cilia Magnesite bonded wood wool acoustic panel (fibre width 0.5-1 mm). Exquisite surface structure building biologically recommended. Earcons Cilia Magnesite Wood Wool extremely strong just likes the beehive-type porous structure, which achieve excellent sound and heat insulation. Therefore, 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.

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



Properties

Thickness	15,20,25,50 mm
Edge	Square, Tegular
Fire Class	I & P
Sizes	600x 600 /1200/2400
NRC	0.95 upto
Density	400 Kg/m3
Climate (RH)	90
Light Reflectance	85 %

METAL SYSTEM SERIES



Earcons ceiling system range that is designed to provide solutions for all installation situations. With its diverse design concepts it suits 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.

TYPE OF METAL SERIES

- LAY ON PLAIN
- LAY ON PERFORATED
- CLIP ON PLAIN
- CLIP ON PERFORATED
- LINEAR CLIP ON PLAIN
- LINER CLIP ON PERFORATED
- OPEN CELL

Properties

Thickness	0.5 – 0.7 mm
Edge	Square, Tegular
Fire Class	A
Sizes	600x 600 /1200/2400
NRC	0.75 upto
Surface	Plain , Perforation
Climate (RH)	99
Light Reflectance	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.

WOODEN CEILING SERIES



AUDITORIUM | LECTURE HALL | MULTIPLEXES | HOTELS | HOSPITALS | PUBS | MUSEUM | HOME THEATER | MULTIPURPOSE HALL | BANQUET HALL | OFFICES | STUDIOS

Earcons Groove Wooden 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.

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	15 ,16,17 mm
Edge	Square, Tegalr
Fire Class	A
Sizes	600x 600 /1200/2400 2430x128
NRC	0.75 upto
Surface	Plain , Perforation
Climate (RH)	70
Light Reflectance	74 %

GRG CEILING SERIES

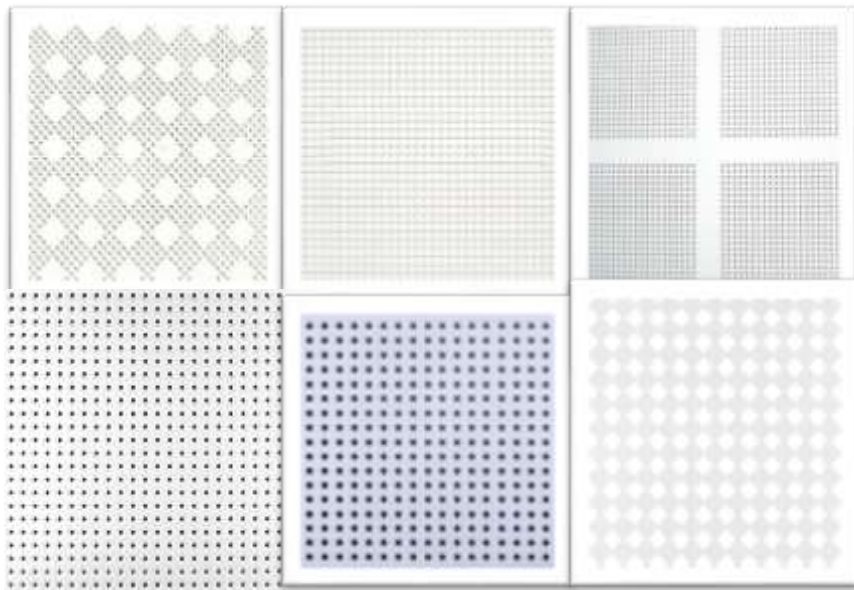
earcons 
acoustic building system



AUDITORIUM | LECTURE HALL | MULTIPLEXES | HOTELS | HOSPITALS | PUBS | MUSEUM | HOME THEATER | MULTIPURPOSE HALL | BANQUET HALL | OFFICES | STUDIOS

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 lend and exciting dimension to interior spaces. A composition of high strenght gypsum reinforced with glassfibers, it is factory molded into any shape or size. The Gypsum Plaster used for making GRG Ceiling Tiles conforms to standard ASTM C28 / C28M. GRG Ceiling tile have certified humidity resistance (RH) of 99 % as per the test standard ASTM C47303 / ASTM C 139604.

GRG Tiles are non combustible confirming to Non Combustibility protocol.



Properties

Thickness	10, 12 mm
Edge	Square, Tegular
Fire Class	A
Sizes	595x 595 /1195
NRC	0.75 upto
Surface	Plain , Perforation
Climate (RH)	99
Light Reflectance	85 %

STRETCH CEILING SERIES





AUDITORIUM | LECTURE HALL | MULTIPLEXES | HOTELS | HOSPITALS | PUBS | MUSEUM | HOME THEATER | MULTIPURPOSE HALL | BANQUET HALL | OFFICES | STUDIOS

Earcons 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

Stretch Ceiling Systems fulfill several distinctive functions:

- 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.
- 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.

Properties

Fire Class	A
Sizes	5x75,4x75,3x100
NRC	0.80 upto
Surface	Plain , Perforation
Climate (RH)	90
Light Reflectance	85 %

Installation

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

HANGING BAFFLE & CLOUD SERIES



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 Baffle.

Features

- 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

Properties

Fire Class	A
Thickness	25,40,50,75
Sizes	600x 600/1200 Customized
NRC	0.80 -0.90 upto
Surface	Fabric, Vinyl
Core	Polyester / Glass Fibre
Density	100 Kg/m3
Design	Circular, Poly Edges, Flat

PANELING SERIES

- **SOFT FIBRE (GLASS FIBRE) FABRIC FACIA**
- **CILIA STUFF PANELING**
- **PERFORATED GYPSUM PANELING**
- **MAGNESIA PERFORATED PANELING**
- **METAL SYSTEM PANELING**
- **STRETCH PANELING**
- **WOODEN PANELING**
- **CILIA WOOD WOOL PANELING**
- **POLY PANELING**

FABRIC FACIA PANELING SERIES



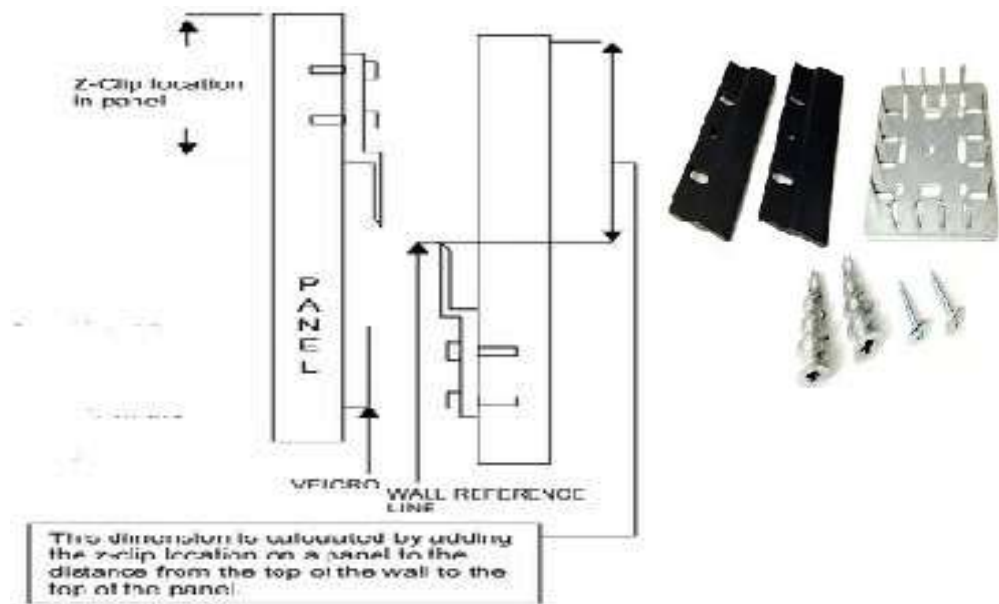
Fabric Wrapped Acoustic Panels are an attractive, versatile, rigid fiberglass panel that are an aesthetically pleasing solution to your reverberant noise problems. Also known as Fiberglass wall panel or acoustical wall panels, these sound absorption panels can reduce the reverberation in large spaces 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 tackable surfaces with excellent acoustical absorption. Consists of a semi-rigid acoustic fibre glass core covered with an acoustic fire retardant fabric.

Properties

Thickness	25,50 mm
Edge	Square , Bevel
Fire Class	I & A
Sizes	600X600/1200/2100
NRC	0.95 upto
DENSITY	110 kg/m3
Climate (RH)	90
Light Reflectance	85 %
WEIGHT	1.5 kg/m2

Installation

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



CILIA STUFF PANELING



CILIA STUFF PANELING



CILIA STUFF PANELING



CILIA STUFF PANELING



Earcons Cilia Stuff Installation Detail

Earcons Cilia Stuff Magnesite bonded wood wool acoustic panel (fibre width 0.5-1.0 mm). Earcons Cilia Stuff Magnesite Wood Wool highly strong just like the beehive-type porous structure, which achieves superior sound and heat insulation, thereby providing architects with the best solution to health, ecology and sound absorbtion.

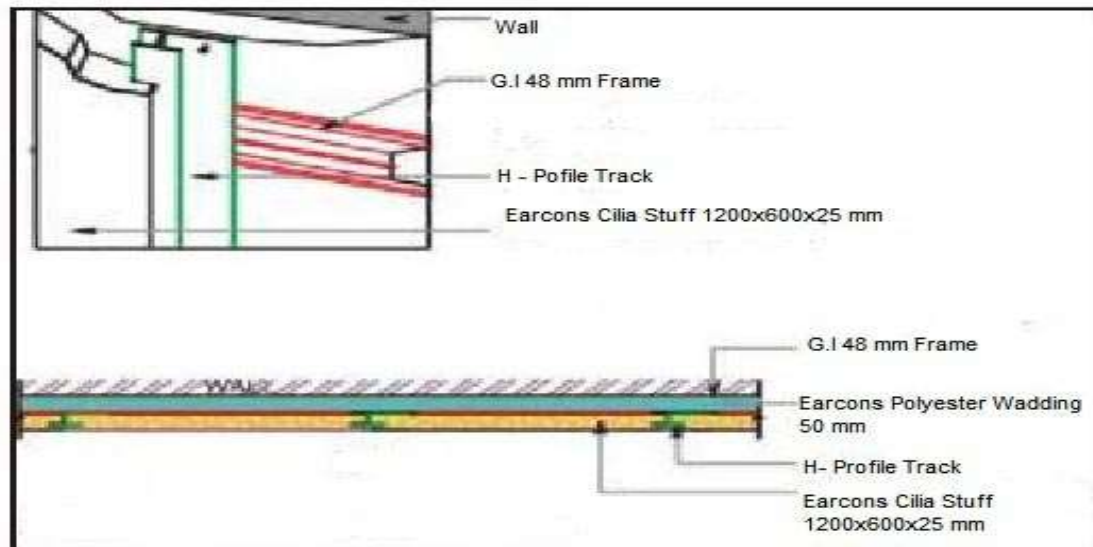
Properties

Thickness	20,25,50 mm
Edge	Square , Groove
Fire Class	I & P
Sizes	600X600/1200/2400
NRC	0.95 upto
DENSITY	400 kg/m3
Climate (RH)	90
Light Reflectance	85 %
WEIGHT	7-20 kg/m2

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 conditions.

H-Profile for easy installation, dismantling and reinstallation. All dust-causing construction measures must be completed before starting the installation.



GYP ACO PERFORATED PANELING



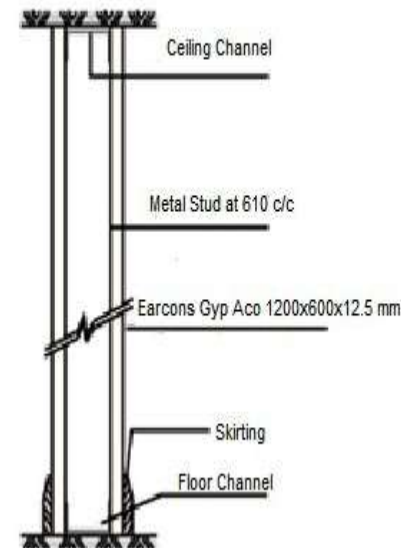
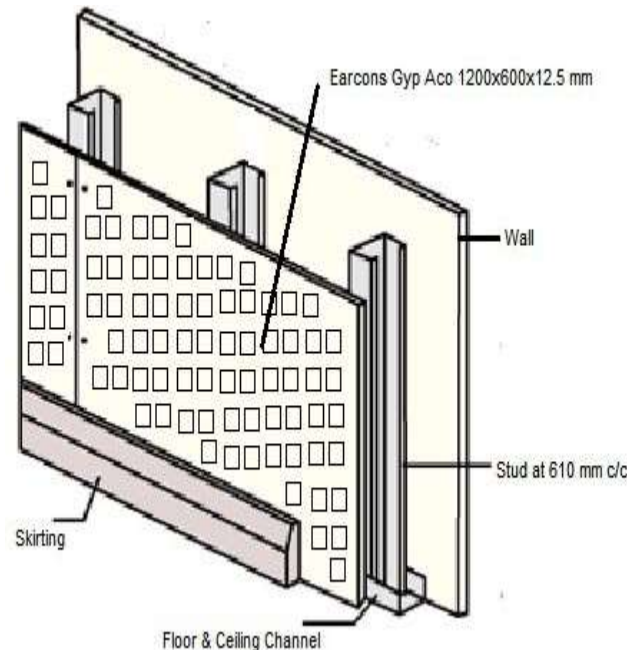
Earcons acoustic perforated gypsum board (**GYP ACO**) is designed on the basis of helholtz resonance theorem, After perforated, the holes, board and the wall make up of many resonant cavities, when air molecules pass the holes, the resonant cavities will consume large quantities of sound energy. Earcons 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.

Properties

Thickness	12.5 mm
Edge	Square , Tapper
Fire Class	I & P
Sizes	600X600/1200/2400
NRC	0.80 upto
DENSITY	800 kg/m3
Climate (RH)	70
Light Reflectance	85 %
WEIGHT	6.5-7.6 kg/m2
PERFORATION	12 -18 %

Installation

Earcons Gyp Aco Perforated Panel install on Metal Channel suspension system



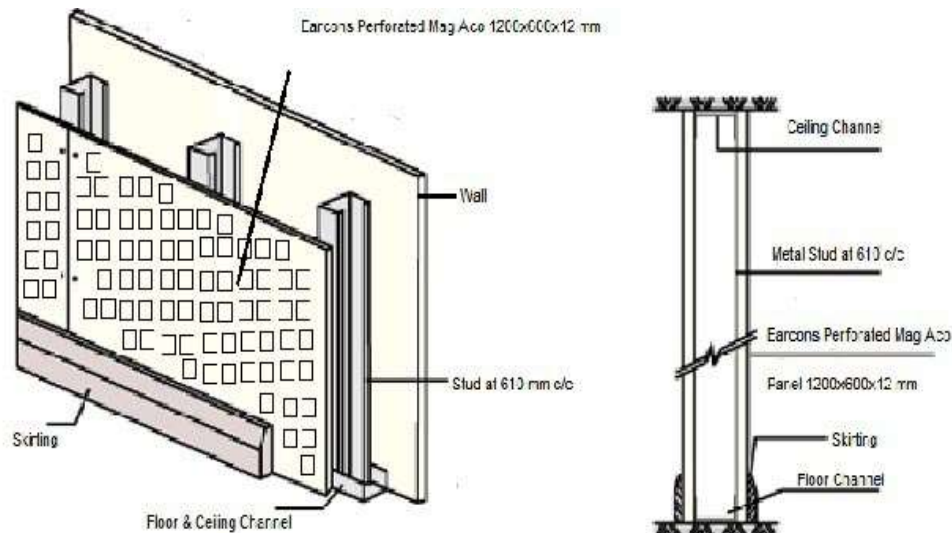
MAG ACO PERFORATED PANELING



Earcons Magnesium Oxide board is a new generation of high performance, environmentally friendly, Earcons Magnesium Oxide based building Board (MgO board) is a factory-made, non-insulating sheathing board product. It can be used for a number of applications including wall and ceiling linings, fascias, soffits, tile backing, underlayment and Wall Paneling Construction. It is made of magnesium oxide, a type of mineral cement, and is commonly called simply "Earcons Magnesia" due to its chemical composition of magnesium (chemical symbol Mg) and oxygen (chemical symbol O). Think of Earcons Magnesia as a type of sheathing board (sort of like Acoustical Wall Paneling) but with much-improved characteristic such as fire resistance, weather ability, strength, resistance to mold, mildew, and so on. The main ingredients of this product are non-toxic, eco-friendly such as: Magnesium carbonate - magnesium oxide (MgO), magnesium chloride (MgCl), perlite(SiO₂), fiber glass scrim, cellulose, proprietary additives, etc.

Installation

Earcons Mag Aco Perforated Tile install on Channel suspension system.



Properties

Thickness	8,10,12 mm
Edge	Square, Tapper
Fire Class	A1
Sizes	600x 600 /1200/2400
NRC	0.87 upto
Density	980 Kg/m ³
Climate (RH)	99
Light Reflectance	85 %

WOODEN SLATS PANELING



Earcons Groove Wooden 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.

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	16 mm
Edge	Square, Tegal
Fire Class	A
Sizes	600x 600 /1200/2400 2430x128
NRC	0.75 upto
Surface	Plain , Perforation
Climate (RH)	70
Light Reflectance	74 %

STRETCH ACO FABRIC PANELING



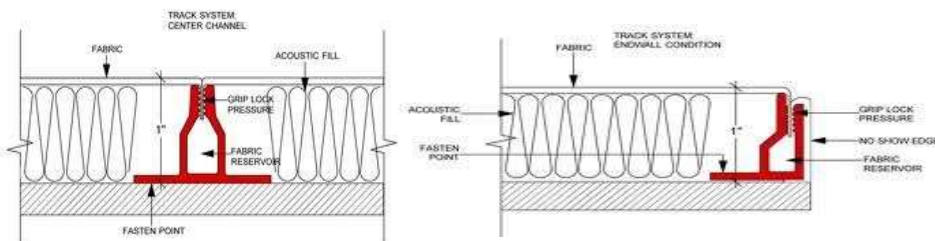
We bringing a newest range of Stretch Acoustic System, which is a stretch fabric system widely demanded for its high caliber acoustic performance with the warmth, high quality and removable fabric finish for walls and ceilings. Add beauty and ace for an effective sound control by connecting fabric panels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

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

Installation Details:

The fabric is acoustically transparent and transfers a BS476 Class fire certificate.



Fabric Variants



POLYESTER BASE PANELING



CILIA WOOD WOOL PANELING



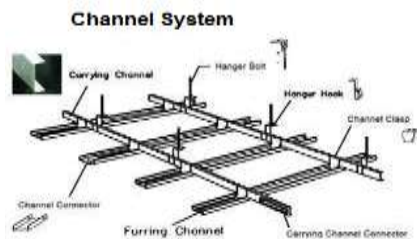
Earcons Cilia Magnesite bonded wood wool acoustic panel (fibre width 0.5-1 mm). Exquisite surface structure building biologically recommended. Earcons Cilia Magnesite Wood Wool extremely strong just likes the beehive-type porous structure, which achieve excellent sound and heat insulation. Therefore, 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.

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: Stud & Floors , CC 25 Channel System



Properties

Thickness	15,20,25,50 mm
Edge	Square, Tegular
Fire Class	I & P
Sizes	600x 600 /1200/2400
NRC	1.0 upto
Density	400 Kg/m3
Climate (RH)	90
Light Reflectance	85 %

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.

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 to 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.

Made to last a lifetime

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

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.

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.

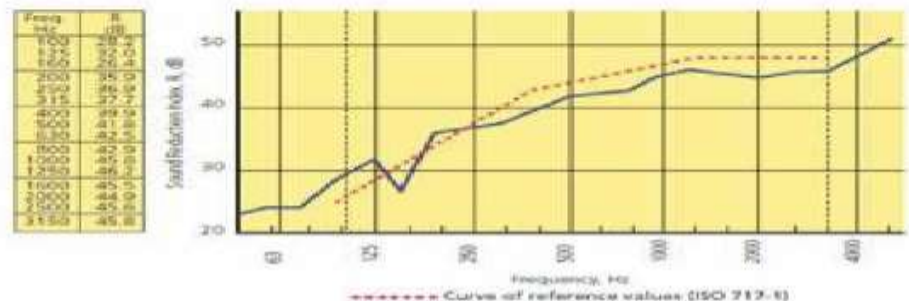
Fire Rated Acoustic Doors

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.

Interconnecting Doors

Interconnecting Doors are two doors that are hung in either a common or separate frame. The configuration of the two door leaves 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 acoustic doorset.

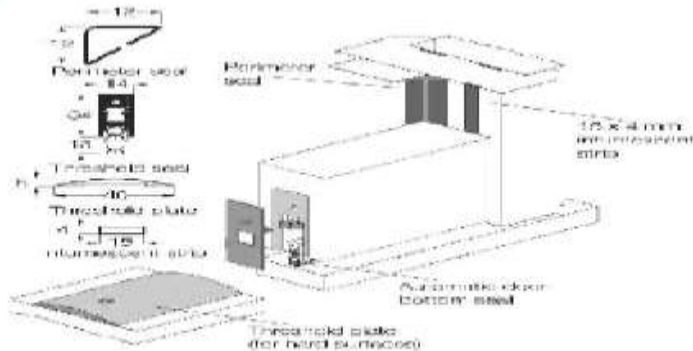


A professional door with exceptional acoustic insulation. Automated manufacturing process. Standard models and special requirements. A wide range of accessories.



1.

2.



Technical drawing of the 'Eco' fire alarm control unit, showing exploded and assembled views with dimensions and labels.

Exploded View Dimensions:

- Top view: 12 (width), 12 (height)
- Side view: 12 (width), 14 (height), 34 (depth), 13 (depth), 5x (width)
- Threshold seal: 40 (width), 4 (height)
- Threshold plate: 4 (width), 5 (height)
- Intumescent strip: 5 (width)

Assembled View Labels:

- Perimeter seal
- 15 x 4 mm intumescent strip
- Automatic door bottom seal
- Threshold plate (for hand operated)

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.

Suspension System

G.I. SLIM LINE (16X32)

Main	Cross	Wall Angle	
 15x32x3600 mm	 15x23x600 mm 15x23x1200 mm	 18x12x3000 mm	
Fire Reaction Corrosion Resistance Seismic Resistance Green	I/A Yes Yes Yes	Performance Maintenance Core Thickness (mm)	Indoor Wet Wipe Galvanised 0.3

G.I. SILHOUETTE (15X42)

Main	Cross	Wall Angle	
 15x42x3600 mm	 15x42x1200x0.3 mm / 15x42x600x0.3 mm	 20x20x3000x0.3 mm	
Fire Reaction Corrosion Resistance Seismic Resistance Green	I/A Yes Yes Yes	Performance Maintenance Core Thickness (mm)	Indoor Wet Wipe Galvanised 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 Corrosion Resistance Seismic Resistance Green	I/A Yes Yes Yes	Performance Maintenance Core Thickness (mm) Indoor Wet Wipe Galvanised 0.3

Frame Work – Paneling

EA CC 25		80 x 26 x 51 x 0.5 x 3660
EA SC 70		70 x 34 x 36 x 0.5 x 3050 / 3660
EA FC 72		72 x 32 x 32 x 0.5 x 3660
EASC 92		92 x 34 x 36 x 0.5 x 3050 / 3660

EA FC 50		50 x 32 x 32 x 0.5 x 3660
EA SC 48		48 x 34 x 36 x 0.5 x 3050/3660
EAFC 94		94 x 32 x 32 x 0.5 x 3660
Keen 18 mm		18x21x2400x0.5 mm

CHAIR SERIES





EXECUTED PROJECTS

- **Naganda International Institute of Buddhist Studies 1000 Seater Auditorium , Sri Lanka**
- **Tripura Institute of Technology 885 Seater Auditorium , Agartala**
- **St. Wilfred's College of Arts, Commerce & Science 800 Seater Auditorium , Panvel, Mumbai**
- **Sanskriti College 700 Seater Auditorium, Mansarover , Jaipur**
- **DSB College 1000 Seater Auditorium, Nanital**
- **Police Bhawan 400 seater Auditorium, Patna**
- **Genesis Global School 400 Seater Auditorium, Noida**
- **Bharat Electronics Limited 400 Seater Auditorium , Bangalore**
- **Bharat Electronics Limited 300 Seater Auditorium , Bangalore**
- **Sarojini Naidu Medical College 500 Seater Auditorium (UPRNN), Agra**
- **Indian Institute of Technology 800 Seater Auditorium , Mandi**
- **St Xavier's College 325 Seater Auditorium , Jaipur**
- **Chhabra Thermal Power Plant 260 Seater Auditorium , Baran , Rajasthan**
- **HDFC School Multifunctional Hall , Gurugram**

EXECUTED PROJECTS

- **Deen Bandhu Chotu Ram University Lecture Halls , Sonipat**
- **State University of Performing and Visual Arts, Rohtak**
- **Rastrapati Bhawan 3D Hall , New Delhi**
- **Prime Minister Office Video Conferencing Room , New Delhi**
- **Udyog Bhawan Conference Hall , New Delhi**
- **Sardar Patel Bhawan , New Delhi**
- **Vidhan Shabha , Gairsain, Chamoli**
- **ISRO 50 Seater Auditorium, Ahmedabad**
- **National Institute of Technology, Jalandhar**
- **GB Pant Polytechnic , New Delhi**
- **Bharat Sanchar Nigam Limited Conference Hall , New Delhi**
- **Lok Nayak Jayaprakash Narayan National Institute of Criminology & Forensic Science, New Delhi**
- **National Museum Auditorium , New Delhi**
- **Sena Bhawan , New Delhi**

EXECUTED PROJECTS

- **Bundelkhand Govt. Ayurvedic College, 250 Seater Auditorium, Jhansi**
- **Women's hockey Stadium 250 seated Auditorium, Gwalior**
- **DBS College 200 Seated Auditorium, Hyderabad**
- **Dhanbad Town Hall Auditorium , Dhanbad**
- **Awadh Educational Trust 150 Seated Auditorium, Delhi**
- **JCB 300 Seated Auditorium, Jaipur**
- **JCB 100 Seated Auditorium , Pune**
- **NDIM 200 Seated Auditorium , Delhi**
- **Prem Mandir Dome Acoustics , Vrindavan**
- **Fire Safety Management Academy Lecture Hall 5 Nos, Delhi (PWD)**
- **Sarvodaya Vidyalaya MP Hall, Shalimar Bagh AP Block, New Delhi (PWD)**
- **Rajkiya Pratibha Vidyalaya MP Hall , Shalimar Bagh BT Block, New Delhi (PWD)**
- **Sarvodaya Vidyalaya MP Hall , Shalimar Bagh AH Block, New Delhi (PWD)**
- **FSL Shooting Range (PWD), New Delhi**
- **Sarvodaya Vidyalaya MP Hall , Puthkalan , New Delhi (PWD)**

EXECUTED PROJECTS

- **Delhi Metropolitan Education, Noida**
- **St. Francis School 200 Seater Auditorium , Hanthras**
- **Vardha Medical College, Pune**
- **Maitri College Lecture Hall (CPWD), New Delhi**
- **Delhi Public School Multipurpose Hall , GAYA**
- **Power Grid MP Hall, Bhiwadi**
- **IMT, Ghaziabad**
- **Paryawaran Bhawan (CPWD), Delhi**
- **Jawaharlal Nehru University, Delhi (Rites)**
- **Poorvanchal University , Jaunpur, Uttar Pradesh (UPRNN)**
- **Haribhoomi Press Studio, Raipur**
- **CPC , Uttarakhand , Door darshan**
- **IMS Recording Room , Ghaziabad**
- **Rabab Studio, Mohali**
- **Haldiram Corporate Office , Noida**

EXECUTED PROJECTS

- **Arya Samaj Studio, New Delhi**
- **God Smaritan School Recording Studio, New Delhi**
- **NCERT ,DhauraKuan, New Delhi**
- **AIRFORCE Station , Chandigarh**
- **AIFORCE Station, Pune**
- **OXYGEN PLANT , Safdarjung Hospital, New Delhi**
- **Anpara Power Plant, Sonbhardra**
- **Anushandhan Bhawan , New Delhi**
- **Ram Lal Anand Lal College, New Delhi**
- **Government Medical College ENT Room , Badaun**
- **Swar Clinic ENT Room , New Delhi**
- **W Pratiksha Hospital ENT Room , New Delhi**
- **Geet Hotel PUB, Kanpur**
- **T. S. Misra Medical College & Hospital Lecture Halls , Lucknow**

INTERNATIONAL PROJECTS

- Mineral Showroom Lecture Hall, Saudi Arabia
- On Air Recording Station, Arabian Radio Network, Dubai
- CT pipe line acoustic lagging, Abu Dhabi
- Borouge Head Quarters- ADNOC, Abu Dhabi
- Rose Wood Hotel Pipe line insulation-Acoustic, Abu Dhabi
- Al Dhafra-Head Quarters office space project, Abu Dhabi
- Al Yasat-Head Quarters office space project, Abu Dhabi
- Malayalee Samajam Multi Purpose Auditorium and Mini Auditorium, Abudhabi
- Al Mazroui Medical Centre Mena Lab Abudhabi- HVAC Acoustics & Insulation, Abudhabi
- Novo Cinemas, DFC Mall, Dubai
- Presidential Guard UAE Military- Multipurpose Indoor Stadium, Abudhabi
- ADNOC Fuel Stations- Ceiling, Umm Al Quwain- UAE
- ADNOC Fuel Stations- Ceiling, Sharjah
- Abudhabi Indian School, Al Wathba, Abudhabi
- PSU Education Centre, Class Room Acoustics, Abudhabi
- Khalifa City Private Villa Project, Sound Isolation Barrier-Exterior, Abudhabi
- ADNEC HIVE Amphitheatre Acoustics, Abudhabi
- Etisalat HQ, AV Conference Halls Noise Isolation and RT control, Deira Dubai
- ADNOC- Gasco HQ, Meeting room Acoustics, Abudhabi
- Leo Burnett Dubai, AV Conference Hall Acoustics , Dubai

THANK YOU

EARCONS ACOUSTIC BUILDING SYSTEM