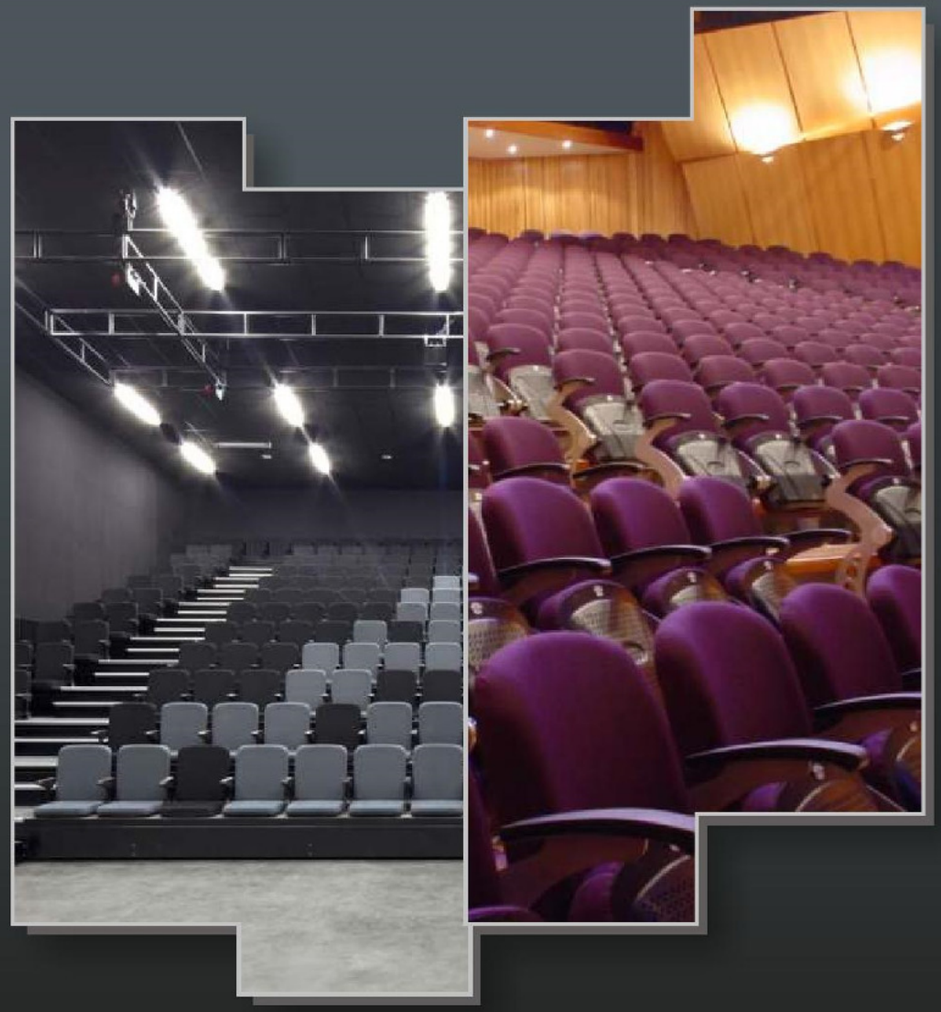

Channel Partner

earcons

acoustic building system

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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 years 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 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.

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

Fire Safety | Indoor Climate | Environment | Influence of Climate | Cleanability | Audibility | Accessibility | Light Efficiency

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

Cilia Stuff

Product Features

Stuff Variants

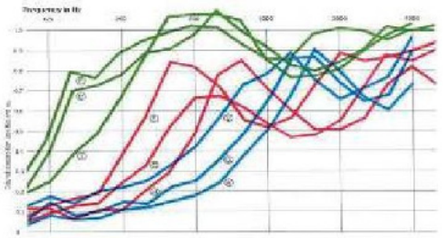
Earcons Cilia Magnesite bonded wood wool acoustic panel (fibre width 0.5-1 mm). Exquisite surface structure, building biology recommended. Earcons Cilia Magnesite Wood Wool extremely strong just like the beehive-type porous structure, which achieve excellent sound and heat insulation. Therefore, rendering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

Environment Friendly

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 Absorbtion Values



Sound Absorbtion coefficient as of manufacturer 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% @ 750 oC - ISO 1182

Ignitibility :
'P' - BS 476 Part 5

Fire Propagation Index :
5.17 - BS 476 Part 6

High Durability

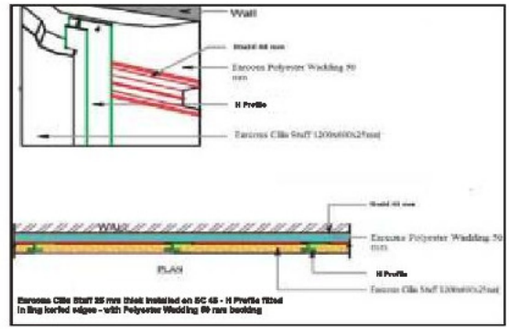
Earcons Cilia Stuff Magnesite wood wool acoustic panels comprise of Magnesite-bonded wood wool, which is robust and durable. Owing to the composition of wood and magnesite, this product can absorb and give off moisture. Earcons Cilia Stuff Magnesite wood wool is therefore very suitable for cladding ceilings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

Warranty

12 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 Humidity And 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.

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	:	12,16 mm
Edge	:	Tongue Groove
Sizes	:	2430x128
Sound Absorbtion	:	Upto 0.75
Density	:	750 Kg/m3
Fire Class	:	Class A
Climate (RH)	:	70
Weight	:	11.6 Kg/m2
Light Reflection	:	74 %

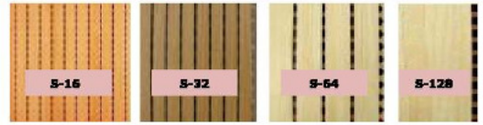
Sound Absorbtion Values

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

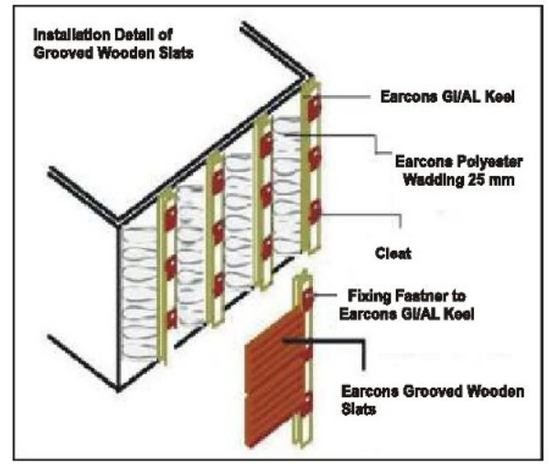
Application

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.

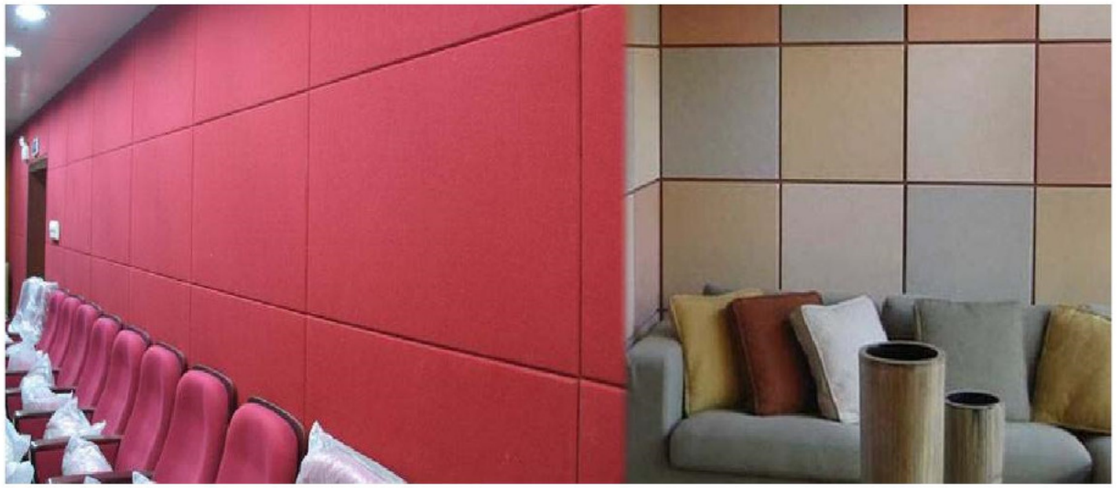
Available Styles



Installation Detail



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 E1 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

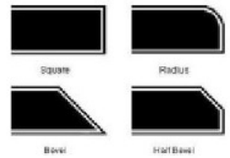
Earcons fabric facia High Impact panels utilize fiberglass board core that is eligible to bear the Green Cross label for recycled content .The board is certified on average to contain at least 35% recycled glass, with 9% post-consumer and 26% pre-consumer content. And for your LEED® project, our acoustical 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 décor. 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.

Illuminated Panel

The Translucent Stretch Membrane offers a fantastic opportunity to create clean-and-cool or loud-and-colorful 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.

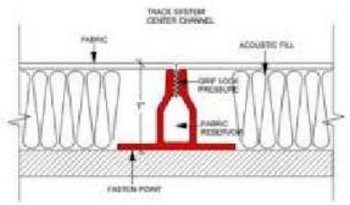
Eco Friendly

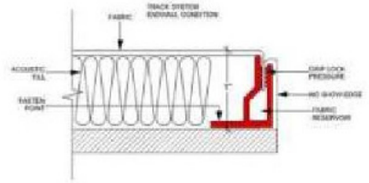
Earcons Solesfab basic element of polymer is polyurethane, which has properties of polymerisation and allows to create an ecofriendly material.

Installation

Stretch Ceiling Perimeter Track is fixed into place at the designated height.

The Stretch Ceiling is stretched and installed into the Perimeter Track.





Warranty

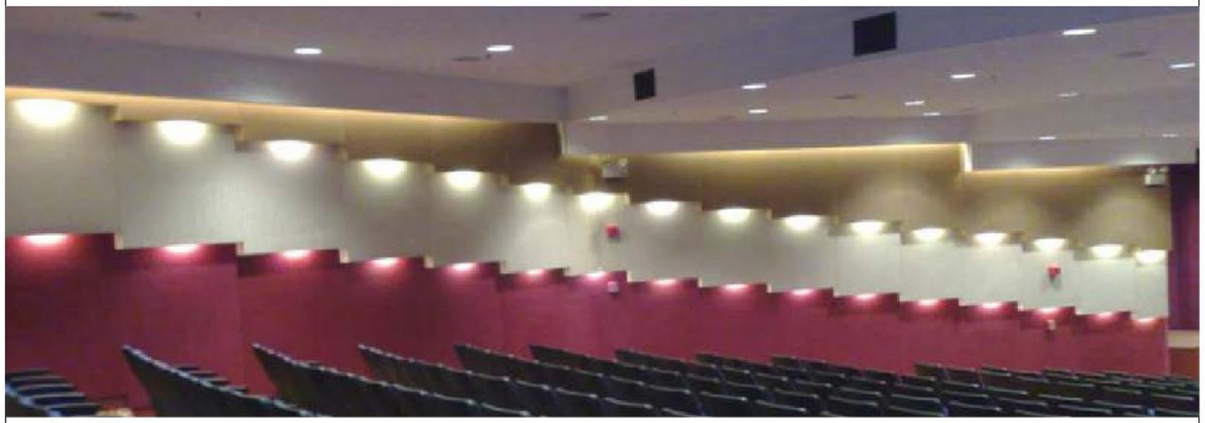
Product guaranteed for 12 Years from installation against seam and harpoon manufacturing defects.

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.

Stretched Paneling

earcons
acoustic building system



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 Architectural 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 Sustainability

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

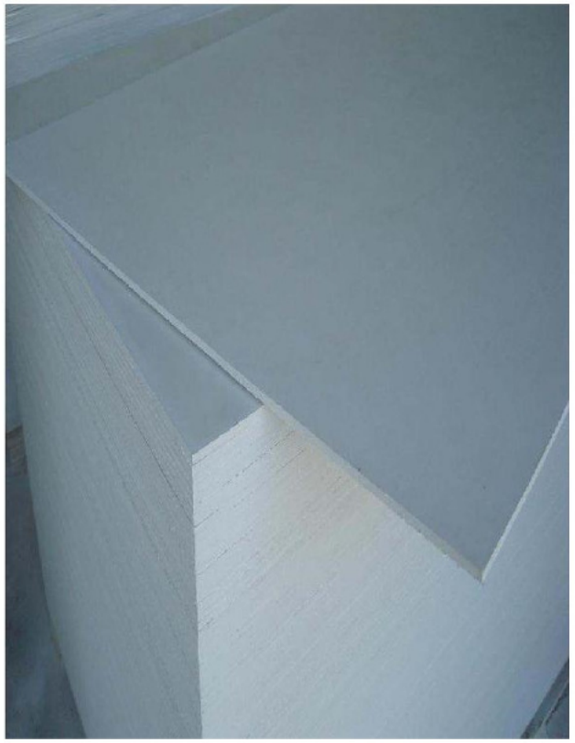
Reduced Maintenance

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

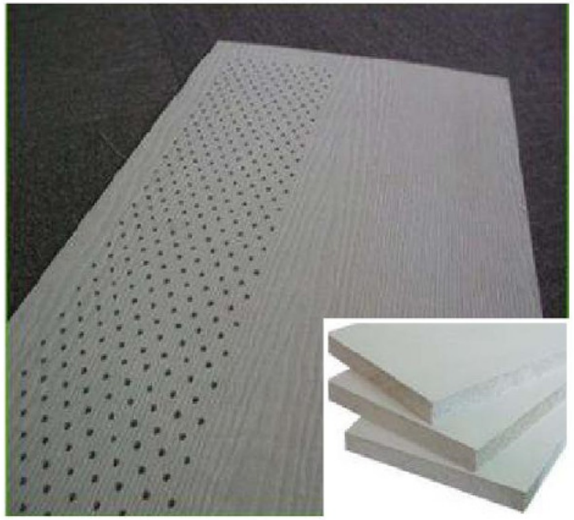
With an NRC rating of 0.85, the Stretch Acoustic System can dramatically improve speech. By cutting down unwanted internal noise a workspace can be bene□ted greatly.

Mag-Aco Panel



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 0). Think of Earcons Magnesia as a type of sheathing board (sort of like Acoustical Wall Paneling) but with much-improved characteristics 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 M(go), magnesium chloride (MgCl), perlite (SiO2), , fiber glass scrim, cellulose, proprietary additives, etc.



Purpose & Use

Earcons Magnesia is widely used primarily as wallboard alternative to conventional gypsum-based Acoustical wall Partition . The Earcons Magnesia boards can be scored and snapped, sawed, drilled, and fastened to wood or steel framing. It can be used for interior or exterior applications. Earcons Magnesia boards are a good example of the advances made in construction materials to meet changes in building codes for safety and durability.

Flame Resistance

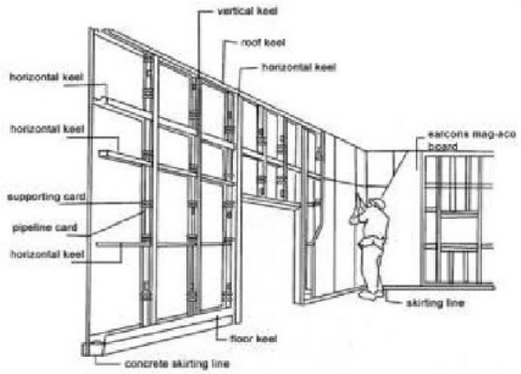
Earcons Magnesia board is fire-resistant, non-combustible product with fire rate: No flammable Class A1 to European standards. High fire resistance of Earcons Magnesia boards prevents fire and flame spread thus allowing controlling fire. Non-inflammable A-class material is adopted and will not burn. The limitation of fire endurance is Upto 4 hours. At high temperature Earcons Magnesia board does not emit any toxicants and stifling smoke.

Water Resistant

Earcons Magnesia board is water resistant and virtually impervious to water (not more than 0,34weight %) Earcons Magnesia cement used for the production is insoluble in water and prevents delamination of the board as well as swelling after a long-term exposure to water.

Mould and insect resistant

No doubt you are aware of the current level of concern about mould and mildew and the very real risks to health. Earcons Magnesia board does not support the growth of mould or mildew at all, as there is nothing in Earcons Magnesia board that is attractive to mould and mildew. Similarly, insects have no interest in it, as it is inedible.



Technical Properties

Thickness	8,10,12 mm
Edge	Square, Tapper
Surface	Plain, Perforation
Size s	600X1200/2400,1220X2440
NRC	Upto 0.80
STC	Upto 40 db to 60 db
Density	98 0 Kg/m3
Fire Class	Class A 1
Climate	99 RH
Weight	13.2 Kg/m2
LR	74 %

Acoustic Insulation

Earcons Magnesia board is characterized by excellent Sound Isolation. 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).

Applications

Dry Wall Partition & Ceiling, DATA Center, Hotels, Hospitals, Residential, Offices, Recording Studios, Auditorium, Research Labs, Industrial, Noise Isolation Areas, High Wet areas, High Risk Fire Areas, High Humid Areas, Home Theatre, Educational, IT Sector, BPO s.

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, anti-static 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 Appearance 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 - 15 years life span of Raised floor.

Size : 600 x 600x 30mm, 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

Earconsis 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 its 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.

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.

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.