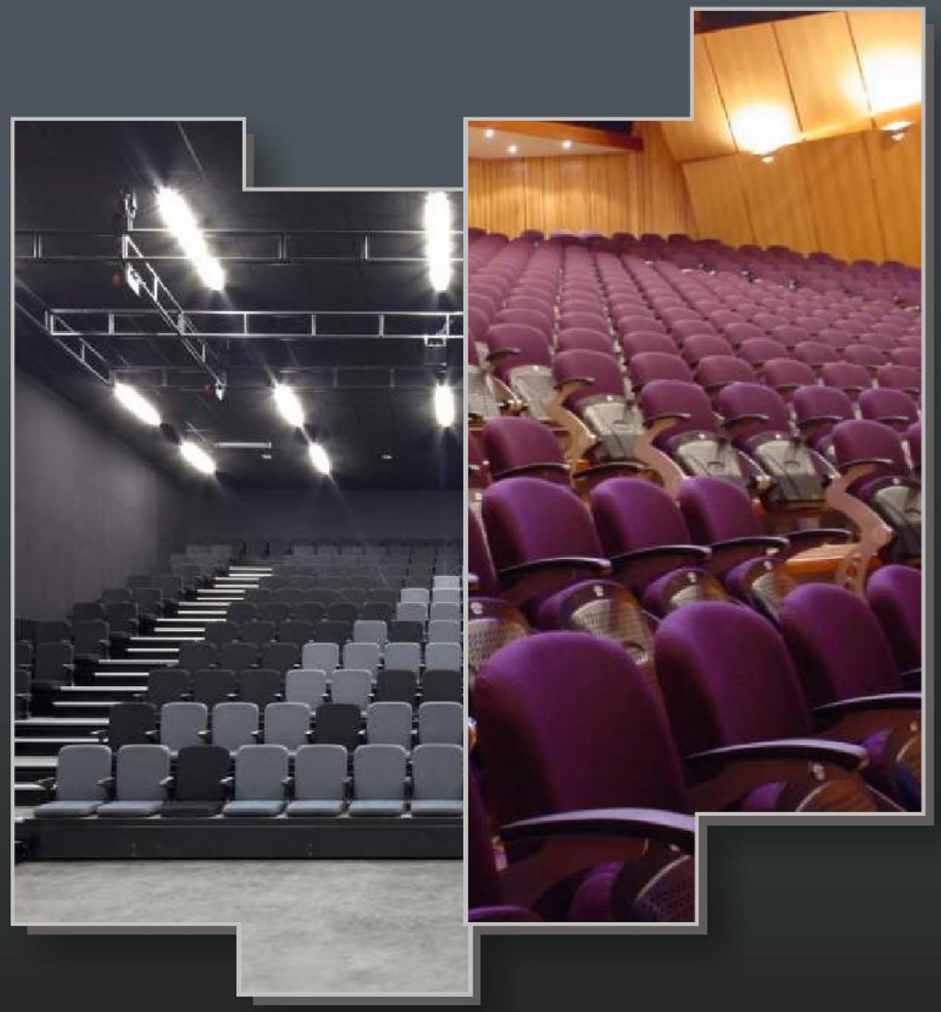

Channel Partner

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.

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

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

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

Softex Acoustic Ceiling

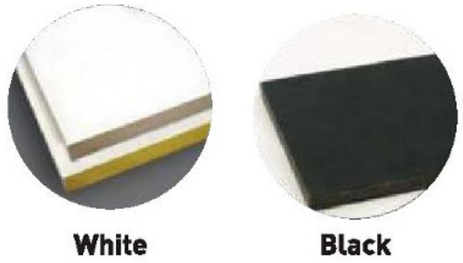
Earcons Softex Ceiling Panels are Plain & Textured fiberglass acoustical panel. Fiberglass panels offer excellent sound control performance by providing high sound absorption. A Micro-perforated option provides even more sound absorption properties. The lightweight fiberglass base mat makes installation 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. K/W), 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.

Warranty

Earcons Softex Ceiling have 10 yrs warranty.

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.

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

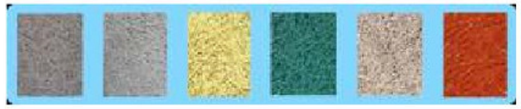
Earcons Cilia Wood Wool fibers are bonded with magnesite; bonded wood wool boards are produced. Slabs of bonded wood wool are environmentally friendly construction and insulation materials as they do not comprise organic binders.

Colours

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.

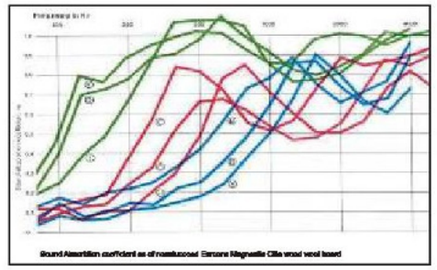
Wide spectrum of colors is available – you will get almost every color tone, ranging from most sought after color systems like as RAL, BS can be chosen.

Product Features



Properties:

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



Technical Performance:

Ignitability :
'P' - BS 476 Part 5
Surface Spread :
Class l - 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% @ 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 in 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.

Acoustical Perforated Gypsum

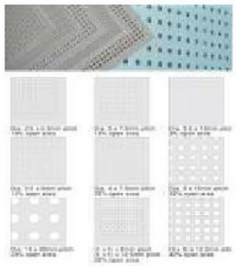
Product Description

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 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

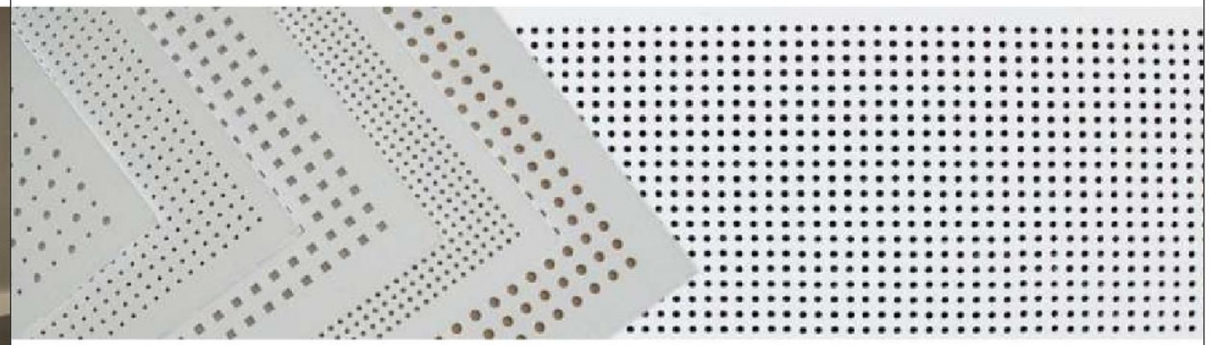
Properties

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 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.

Magnesia Perforated



Environmental friendliness

Earcons Magnesia 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. Earcons Magnesia board consists of only natural mineral ingredients completely free of any toxins. Magnesium oxide, the main ingredient of Earcons Magnesia board, is a mineral product which is widely used in medicine, food industry, water purifying systems, the antiseptic properties of it prevent from mold and mildew grow. When working and handling Earcons Magnesia 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.

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.

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	Class A1
Sizes	600X1200/2440,1220X2440
NRC	Upto 0.80
Density	980 Kg/m3
Climate (RH)	99
Weight	13.2 Kg/m2
LR	74 %

Applcation

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

Metal Lay-in and Clip-in

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.

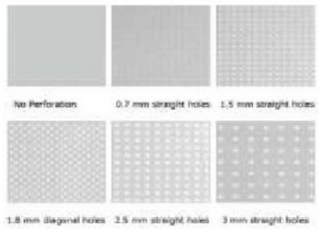
The tiles can be installed in several different ways:
(1) Lay On
(2) Clip On
(3) Linear Strip Clip on
The necessary suspension sections and components are all available from
The Earcons for example hangers, main runner sections, cross sections, wall trims and wall springs etc.

Technical Properties

Thickness	0.5 -0.7 mm
Edge	Square, Tapper
Surface	Plain, Perforation
Sizes	600x600/1200
NRC	0.75
Fire Class	Class A
Climate	99 RH
Weight	5-6 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.



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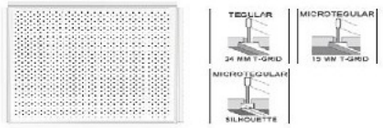
Installation

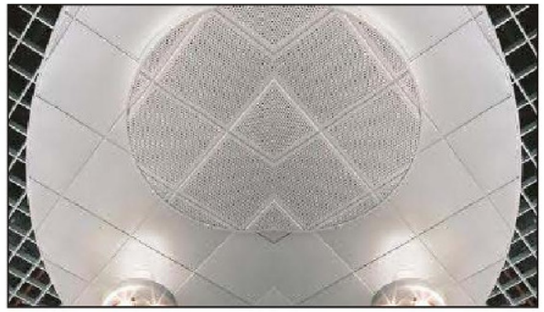
Earcons Lay-On Tile install on T-Grid suspension system.



Excellent uniform level & gap-free fitting 5 years above guarantee on coating quality Easy light-matching as well as other decoration parts. With invisible carrier and accessories, makes the space more clean and tidy.

Application

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



Stretch Ceiling

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.
- 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-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.

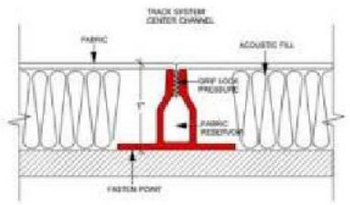
Eco Friendly

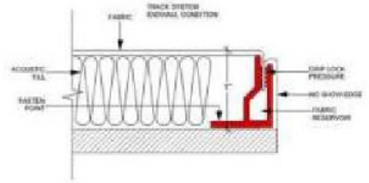
Earcons Solesfab basic element of polymer is polyurethane, which has properties of polymerisation and allows to create an ecofriendly material.

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

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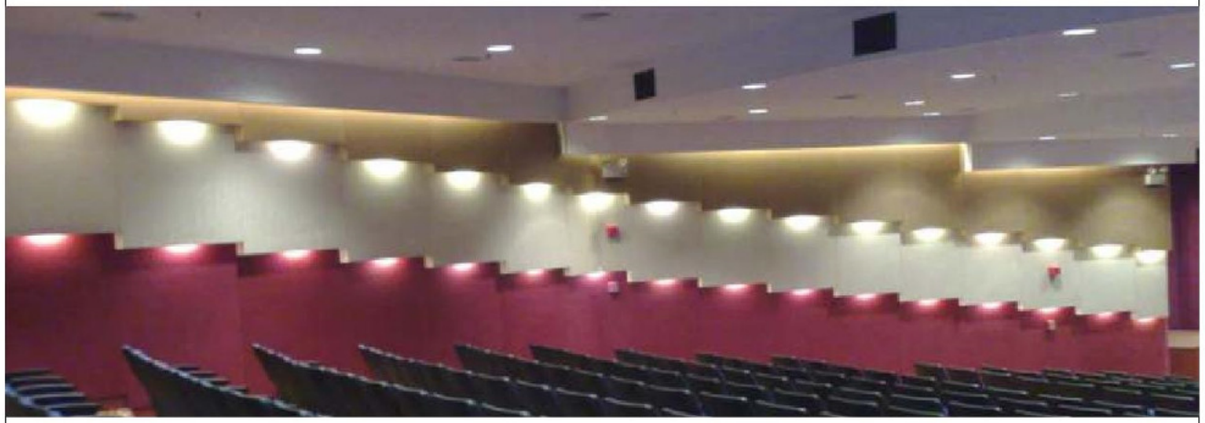

Features

- 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.