FIBRECRETE®
Acoustical Walls, Ceiling & Partitions

Controls :

- Heat
- Cold
- Sound
- Fire

Natural
Acoustic Board

FIBRETEX INDIA PVT. LTD.
[An ISO 9001:2015 Certified Company]
Creating an effective environment

www.fibrecrete.in

FIBRECRETE®
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NATURAL Acoustic Board

Natural panels are Multipurpose – Acoustical, Thermal & Structural Woodwool Insulation Boards, manufactured using Two of the most common Natural Resource available to the mankind since Evolution i.e. 'Wood & Water'.

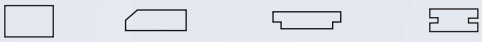
Long Pine Wood Fibres i.e. Woodwool [excelsior] is mineralized with Magnesite and an inorganic Salt dissolved in Water, are laid into dyes and Hydraulically compressed into Panels.

Uniform Fibre distribution give these Panel a Unique porous structure which makes it breathable and a Unique fibrous textured finish which aesthetically is very 'Natural'.

Material	:	Magnesite Binded Pine Wood Fibres
Category	:	Wide [2mm fibre width]; Normal [1.5mm Fibre width]; Fine [1mm fibre width]
Standard Size	:	1220 x 610mm; 600 x 600mm - [10mm – 150mm]
	:	1195 x 595mm; 595 x 595mm - [10mm – 150mm]
		2000 x 500mm - [25mm – 150mm]

Thickness	10mm	15mm	20mm	25mm	35mm	50mm	75mm	100mm	150mm
Weight	4	6	8	10	14	20	30	40	60

Edges :



Square Chamfer Tegular Kerf

Raw – Off White

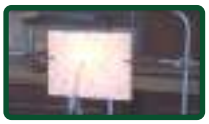
Color - 36 color options [+ custom colors]

Conforms To - IS 3308

Technical Data

Fire: tested by CBRI Roorkee, Uttrakhand.

• Ignitability Test: 'P' as per BS 476 Part 5



Ignitability Test - BS 476 - Part 5

• Fire Propagation Index, I= 4.11 as per BS 476 Part 6

• Surface Spread of Flame - Class 1 as per BS 475 Part 7

Surface Spread of Flame BS 476 - Part 7

• Non-combustibility - Mass Loss 52.27% as per ISO 1182

Thermal Conductivity, k= 0.065 W/mK

Weathering Test: Tested by SIIR, Delhi. 'NO delamination and Damage observed after the Test as per IS 9307'

Sound: As per IS 8225 - 1987 equivalent to ISO 354 - 1985 and ASTM 423 90 a tested by NPL, Delhi& Prasar Bharti, New Delhi.

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Installation

Ceiling	Wall Paneling	Partition
Lay in T24 GI Powder coated Tee Grid System	Screw fix to GI Framework	Screw fix to GI Framework
Screw Fix to GI Ceiling Section System	'H' Spline System	'H' Spline System
Direct Screw Fix to the Roof	Direct Screw fix to plastered wall	Insert in 'C' & 'I' MS Channel
Hanging Baffles		

Benefits

Acoustical Insulation : The porous fibrous structure reduces sound reflection, absorbs sound & dampens the noise and makes Fibrecrete Natural Boards a good sound absorber which contributes to an effective architectural acoustics of indoor spaces.

Thermal Insulation : Fibrecrete Natural Boards are made of long wood fibres & by virtue of it's inner porous fibrous structure, gives the ability to entrap the heat from the air which makes it a superb natural insulating product & contributes to lower energy costs, maintaining a stable & comfortable indoor environment.

Moisture Resistant : Fibrecrete Natural Boards are breathable product which controls humidity by absorbing moisture from the air & then emitting back to the ambient air & contributes to a pleasant & comfortable atmosphere.

Fire Resistant : Fibrecrete Natural Boards are highly Fire Resistant and acts as a protective cladding to walls, concrete & Metal Structural.

Environment Friendly : Fibrecrete Natural Boards are manufactured in a safe & non toxic process and contains no toxic binders, resins, asbestos or formaldehyde and are recyclable which makes it environment friendly.

Functional : Fibrecrete Natural Boards are not brittle & are Ineffective to Termites, Fungus. They are Easy to Cut, Screw, Nail.

Multipurpose : Fibrecrete Natural Boards are Suitable for Paint, Plaster, Pasting and are Sustainable & Durable.

Features

Easy to	Cut		Screw	Nail	Suitable for	Paint	Plaster	Pasting
								
Ineffective to	Fungus		Termites	Sustainable	Durable		Environment Friendly	
								

FIBRECRETE®
Acoustical Walls, Ceiling & Partitions

Application

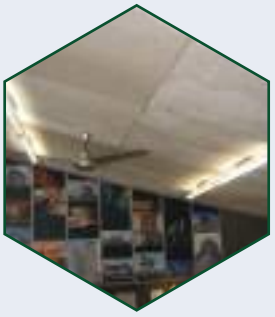
False Ceiling

Temple

Conference room

Multipurpose Hall

Architect Office



Universit Auditorium

Cinema Theatre

Multiplex

Office

Function Hall

Wall Paneling

Class Room

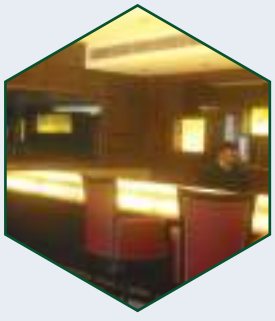
Architect Office

Auditorium

Town Hall

School Auditorium

Club



Multiplex

Corporate Auditorium

FIBRECRETE®
Acoustical Walls, Ceiling & Partitions

Application

Roofing

Pyramid Structure

Glider Structure

Dome Structure

Flat Structure

Other Applications

Partitions
(Time Office)

External Wall Cladding
(Cement Plastering) (Sun facingWall)

Under Flooring
(Hotel Room)

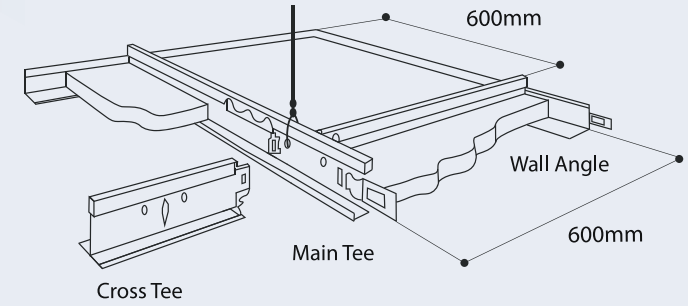
FIBRECRETE®
Acoustical Walls, Ceiling & Partitions

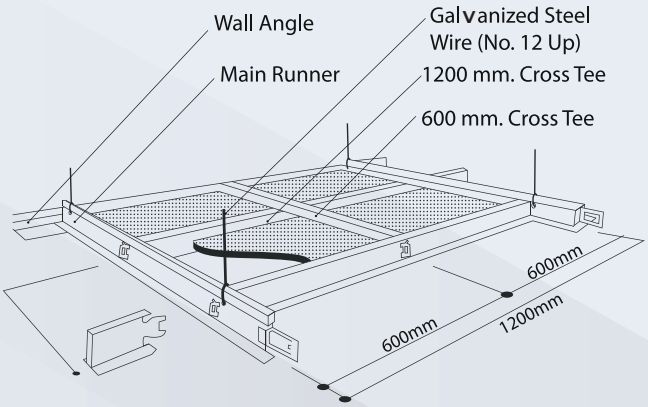
Specification & Installation Section Drawing For False Ceiling

False Ceiling [Lay-in Grid System]

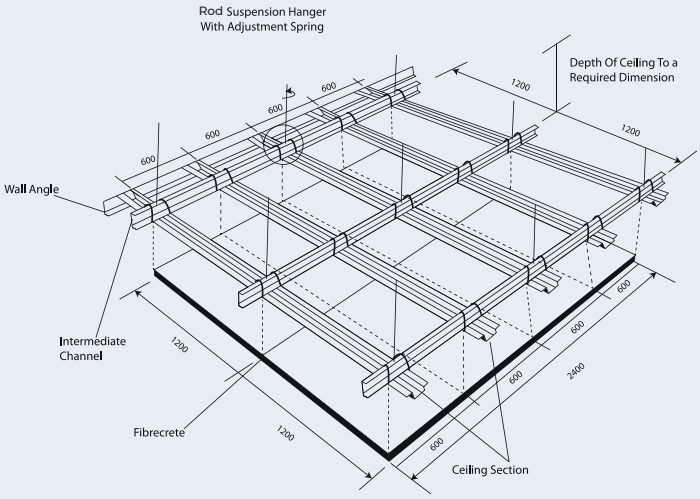
Providing and fixing suspended ceiling with Magnesite Binded Fibrecrete Acoustic Ceiling Tiles made of Pine wood fibre, 15mm thick 595mm x 595mm Natural Standard ND40 Square Edge. The tiles will be laid into the grid of size 600 x 600mm c/c of G.I powder coated frame-work system using Main T 34 x 24 & Cross T 24 x 24 & wall angles suspended suitably from the roof by dash fasten-ers, GI wire & suspension clip, butterfly & MS cleats. Wall Angles is to be screw fixed on the wall after proper leveling. Support from the roof for the Main Tee is to be taken at every 1200mm length wise & 600mm width wise. Cross Tee is to be interlocked to the Main Tee.

Acoustic Tile should meet the Stringent Fire test require-ment having Class 'P' rating for Ignitability test as per BS 476 part 5 and Class '1' rating as per BS 476 part 7 for Surface Spread of Flame test, Class 'P' and Class '1' are the highest rating & Fire Propagation index of 4.11 as per BS 476 part 6. A layer of 50mm thick Effusio Wool 1000 GSM shall be laid over Fibrecrete Tiles which in total will comprise of NRC 0.87 as per IS: 8225/ ISO 354/ ASTM 423C. The entire framework should be in perfect line & level.





False Ceiling [Screw Fix System]



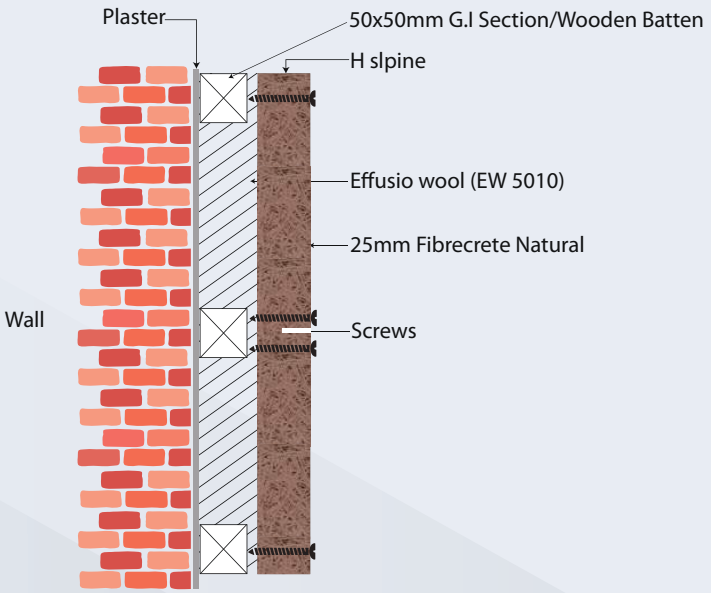
Providing & fixing suspended ceiling with Magnesite Binded Fibrecrete Acoustic Ceiling Tiles made of Pine wood fibre, 15mm thick Fibrecrete Acoustic Panels in size 1220 x 610mm Natural Premium ND40 [Color] Square Edge. The panels will be screw fixed @ 200mm on GI metal frame comprising of perimiter, intermediate channel, ceiling section & L angle, making a grid of 610 x 610mm c/c. The frame is to be made in proper line after leveling. Acoustic Tile should meet the Stringent Fire test require-ment having Class 'P' rating for Ignitability test as per BS 476 part 5 and Class '1' rating as per BS 476 part 7 for Surface Spread of Flame test, Class 'P' and Class '1' are the highest rating & Fire Propagation index of 4.11 as per BS 476 part 6. A layer of 50mm thick Effusio Wool 1000 GSM shall be laid over Fibrecrete Tiles which in total will comprise of NRC 0.87 as per IS: 8225/ ISO 354/ ASTM 423C. The Tiles shall be finished with final coat of paint.

FIBRECRETE®
Acoustical Walls, Ceiling & Partitions

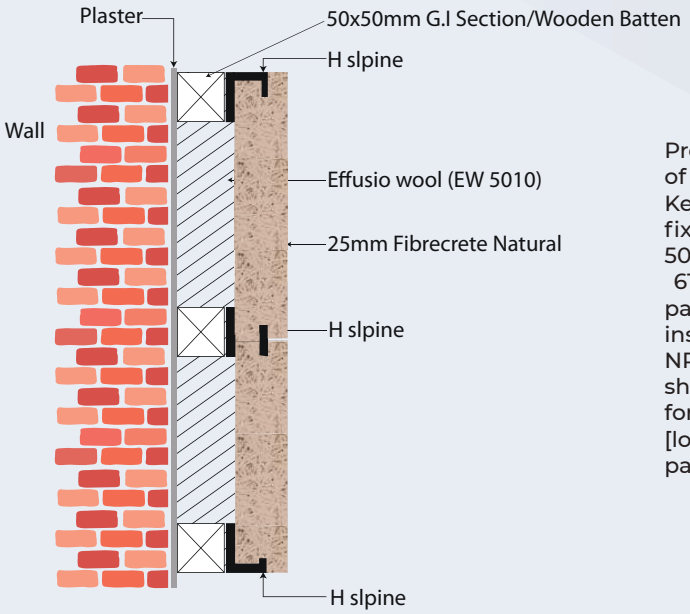
Specification & Installation Section Drawing For Wall Paneling

Providing & fixing Magnesite Binded Fibrecrete Acoustic Panels made of Pine Wood Fibre 20mm thick 1220 x 610mm Natural Standard ND40 Square Edge screw fixed @ 200mm on GI metal frame of 50 x 50mm comprising of Floor & Stud Channel making a grid of 610 x 610mm c/c. The frame is to be made in proper line after leveling. The panels will be backed with 50mm Effusio Wool 1000 GSM inserted inside the grid of 610 x 610mm which in total will comprise of minimum NRC 0.80 as per IS: 8225/ ISO: 354/ ASTM: 423 – 90 a. Acoustic Tile should meet the Stringent Fire test requirement having Class 'P' rating for Ignitability test as per BS 476 part 5; Fire Propagation index, I = 4.11 [lower the better] as per BS 476 part 6 and Class '1' rating as per BS 476 part 7 for Surface Spread of Flame test. Class 'P' and Class '1' are the highest rating. Two coat of color paint should be spray painted on the panels for final finish. All joints of the tiles must in perfect line and level.

Wall Paneling [Screw Fix System]



Wall Paneling ['H' Spline System]



Providing & fixing Magnesite Binded Fibrecrete Acoustic Panels made of Pine Wood Fibre 25mm thick 1220 x 610mm Natural Premium ND40 Kerf Edge inserted in PVC Channel 'H' Spline. 'H' Spline to be Screw fixed @ 200mm vertically @ 610mm c/c on GI metal frame of 50 x 50mm comprising of Floor & Stud Channel making a grid of 610 x 610mm c/c. The frame is to be made in proper line after leveling. The panels will be backed with 50mm Effusio Wool 1000 GSM inserted inside the grid of 610 x 610mm which in total will comprise of minimum NRC 0.80 as per IS: 8225/ ISO: 354/ ASTM: 423 – 90 a. Acoustic Tile should meet the Stringent Fire test requirement having Class 'P' rating for Ignitability test as per BS 476 part 5; Fire Propagation index, I = 4.11 [lower the better] as per BS 476 part 6 and Class '1' rating as per BS 476 part 7 for Surface Spread of Flame test. Class 'P' and Class '1' are the highest rating. All joints of the tiles must in perfect line and level.

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NATURAL Acoustic Board

Colors

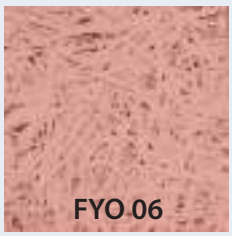
Sunflower Glow

Butter Cream

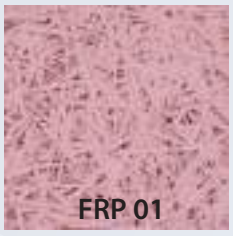
Sunshine

Apricot

Marigold



Peach Orange

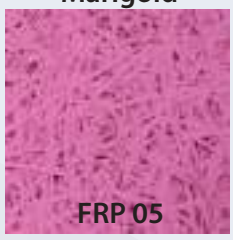


Carnation Pink

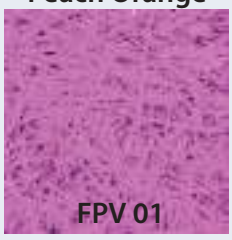
Brick Red

Bubblegum

Flamingo



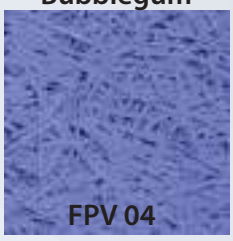
Orchid



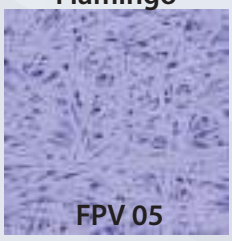
Taffy Pink

Heather Purple

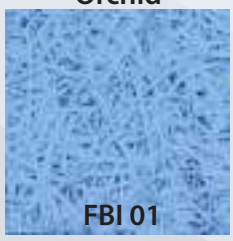
Periwinkle



Purplish Blue

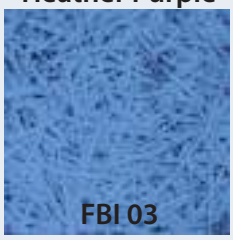


Purplish Blue

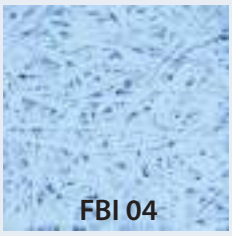


Tufts Blue

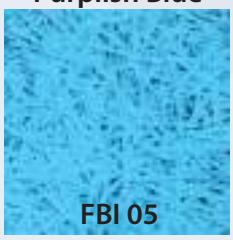
Dark Sapphire



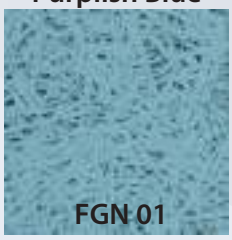
Bedazzled Blue



Uranian Blue

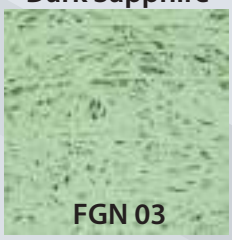


Hawaiian Blue



Hunter Green

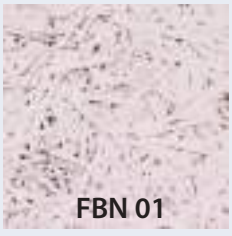
Fern Green



Pastel Green

Lime Green

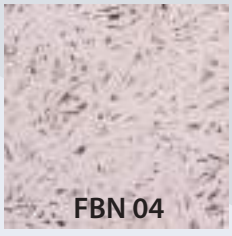
Olive Green



Fawn Brown

Macaroon Brown

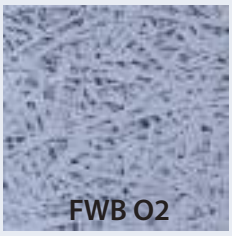
Husky Brown



Rosy Brown

Chocolate Brown

White



Light Grey

M Grey

Dark Grey

Black