



DESIGNER AND ACOUSTICAL CEILINGS

Perforated Board - Perforated Tile Designer Tile





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COMPANY PROFILE

As a manufacturer of false ceiling and acoustical products for the past 20 years, **BSR Calsi Ceilings** has seen significant growth and development in the industry. We started as a small operation with only a handful of employees, but we have now grown to become one of the leading manufacturer of false ceiling and acoustical products in the market.















Latest Machinery

Our experience in the industry has allowed us to develop a range of high-quality products that cater to the needs of our customers. We use the latest technology and materials to manufacture our products, ensuring that they are durable, long-lasting, and able to withstand the test of time.

World Class Infrastructure

- Two Manufacturing Units in Bahadurgarh, Haryana INDIA, and a head office in New Delhi.
- ★ Extensive sales & distribution network in all key cities of India
- ★ Inhouse Product Testing equipments to make sure every product meets our set quality standard before Dispatching.

Excellent Customer Support

Over the years, we have established a reputation for providing excellent customer service and support. Our team of experts is always on hand to answer any questions or concerns that our customers may have, and we work hard to ensure that their needs are met.

This has ensured us to serve in countless prestigious Government and private Projects throughout Pan India.





BSR-CALSI METAL

METAL CEILING & WALLS

Lay-in, Clip-in, Baffles, Linear

Our 20-year legacy have been built on manufacturing ceiling systems, and our metal ceilings have proved to be equally successful. Our innovative and outstanding products and services, constructive dialogue with prospective customers has allowed us to serve in numerous Private and Government sector Projects throughout the Nation.

With our latest Automated High Precision Metal Ceiling Manufacturing Plant, supported by highly qualifed technical specialists offering advice and guidance, We are here to serve our customers with Outstanding Products.

APPLICATIONS

RETAIL

HEALTH

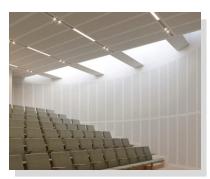


OFFICE





EDUCATION



'Design is Intelligence made visible'



SURFACE FINISH



MATERIAL

Our Metal Ceiling Tiles are available in Galvanized steel & aluminum.

POWDER COAT FINISH

The standard finish to metal ceiling panels is a high quality polyester powder coating.

Aesthetically, the powder coat finish to metal products creates a smooth, satin appearance, which conceals its resilient technical qualities.

Electro-statically applied and oven cured, powder coat finishes have a greater film thickness than wet paint applications, and give a more durable and impact resistant surface.

BIOGUARD

Bio Guard coating is UV stable, do not support microbiological growth and are easily cleaned. Strongly recommended for healthcare sector.

FEATURES



Fire Resistant (Non-Combustible)



3.64 to 4.2 kg / per sq. mtr.



Light Reflectance >85%

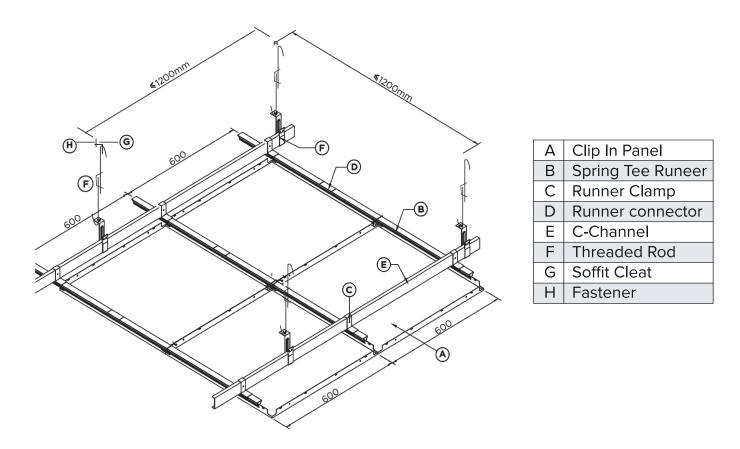


100% RH





Clip in Metal Suspended Ceiling Pannels have an aesthetic view and fully suitable with Clip in Carrier Profiles, that are hidden after installation. When being used with profiles, It provides equally levelled suspended ceiling.

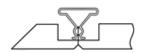


- A sealed ceiling design with simple clip-in panels provides easy access to enclosed plenum using the necessary tools
- Available in multiple square and bevelled edges.
- Concealed suspension system offers a smooth appearance
- Individually replaceable panels



SPECIFICATION

SPRING TEE RUNNER



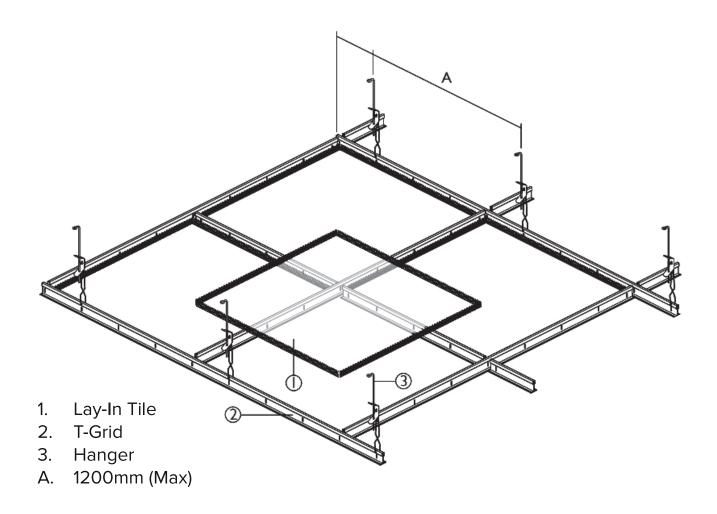
METAL TILE	595 X 595 X 25 (edge)			
DIMENSIONS (MM)	595 X 1195 X 25 (edge)			
LINEAR METAL TILE	W 300/450/600			
DIMENSION (MM)	UPTO L 2400			
PERFORATIONS	Plain Tile		Micro Perfora Ø :1.8mm Open Area : 20%	ation CM001+

METAL TILE				
LINEAR METAL TILE DIMENSION (MM)	W 300/450/600 UPTO L 2400			
	Standard Perforation CM002+		Micro Perforation CM003+	
PERFORATIONS	Ø: 2.5mm Open Area : 18%		Ø :1.5mm Open Area : 20%	

NRC (WITH ACOUSTIC FLEECE)	0.70-0.81
COLOR	GLOBAL WHITE



Lay-in Metal Ceiling is a premium product made out of aluminum alloy or Galavnized Steel with powder coating finish that improves the aesthetic and practical value of any building interior. To satisfy the various demands of architectural specification in ceiling design, we offer a variety of perforated designs and color options for excellent quality.





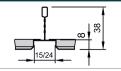
SPECIFICATION

T-Grid Module (Tegular Edge)

Square



Tapper



METAL TILE DIMENSIONS (MM)	595 X 595 X 8 (Drop edge) 595 X 1195 X 8 (Drop edge)			
PERFORATIONS	Plain Tile		Micro Perfora Ø :1.8mm Open Area : 20%	tion CM001+

METAL TILE				
	Standard Perfor	ation CM002+	Micro Perfora	tion CM003+
PERFORATIONS	Ø: 2.5mm Open Area : 18%		Ø:1.5mm Open Area : 21%	

NRC (WITH ACOUSTIC FLEECE)	0.70-0.81
COLOR	GLOBAL WHITE



BAFFLE CEILING SYSTEM

Acoustic sound baffle, popularly known as baffle ceiling system, is an open-kind of ceiling construction that provides an aesthetic view and easy to install in the plenum area.

It is a kind of drop out or suspended ceiling system that makes an ideal choice for large places with limited wall spaces. Available in various combinations and materials, it supports construction from aluminum and GI (Galvanized Steel) that reduce the noise level of airborne sound and even ease the task of installation of lighting, sprinklers, PA systems, etc. At **BSR Calsi Ceilings**, customers will get the best quality of the baffle ceiling systems.

APPLICATIONS

Recreation and Culture: Museums, Places of Assembly, Sales Areas, Shopping

Centres, Stadiums, Banks, Cinemas and Theatres, Concert Halls

Workplace: Assembly Rooms, Broadcasting Rooms, Television Studios, Facilities for Meetings, Conventions and Conferences, Stage and Studio Rooms, Common Rooms,

Offices

Public Transport: Airports, Train & Metro Stations

Education: Library Rooms, Research Rooms & Buildings **Public Institutions:** Court Houses, Government Buildings

Hotels and Gastronomy: Hotels and Resorts, Restaurants and Canteens

REQUIREMENTS

Hygiene: Antibacterial disinfectable, Virucide disinfectable, Wipeable

Corrosion Protection: Interiors & Exteriors

Fire Protection: Non-combustible

Acoustics: Acoustic solutions







Ceiling View Top View Side View

SYSTEM COMPOSITION





CEILING ELEMENTS

ONE-PIECE, CLOSED/CLOSED

- Length (L): 300 to 4,000 mm
- Width (B): 25mm to 100mm
- Height (H): 70 to 200 mm
- Perforation Pattern CM002+ and Plain Surface Finish Available
- Finish: Wooden, Global White, Grey & Other finishes are subject to order quantity.

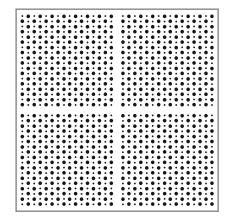




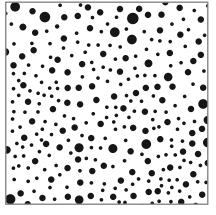


PERFORATED BOARD AND TILES

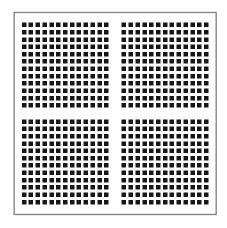
We offer acoustic/perforated calcium silicate ceiling board and tiles with sound absorption and desired decorative finish. These tiles are perforated which helps to increase sound quality and decrease echo sound in wide spaces. Tiles and boards are available with/without paint.



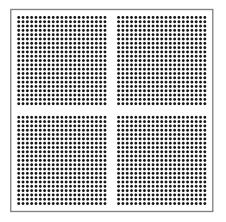
PERFORATED DUAL ROUND HOLE



PERFORATED RANDOM ROUND HOLE



PERFORATED SQUARE HOLE



PERFORATED ROUND HOLE

* Above perforation patterns are available in gypsum board & tiles in thickness 12.5mm

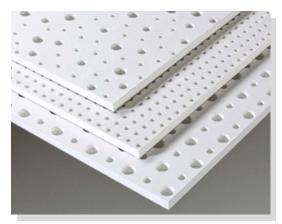
SPECIFICATION (CALCIUM SILICATE)	PERFORATED ROUND HOLE	PERFORATED SQUARE HOLE	PERFORATED DUAL ROUND HOLE	PERFORATED RANDOM ROUND HOLE
Board dimension	1220X2440	1220X2440	1220X2440	1220X2440
(mm)	1220X1830 1220X1220	1220X1830 1220X1220	1220X1830 1220X1220	1220X1830 1220X1220
Tile dimension(mm)	595X595, 595X1195	595X595, 595X1195	595X595, 595X1195	595X595, 595X1195
Thickness	8mm, 10mm, 12mm	8mm, 10mm, 12mm	8mm, 10mm, 12mm	8mm, 10mm, 12mm
Hole size(mm)	6/8/10/12/15	6/8/10/12	Comb. of 8 & 12	8/15/20
Edge profile	square/tapered	square/tapered	square/tapered	square/tapered
NRC value	0.70-0.85*	0.70-0.85*	0.70-0.85*	0.70-0.85*

Applications:

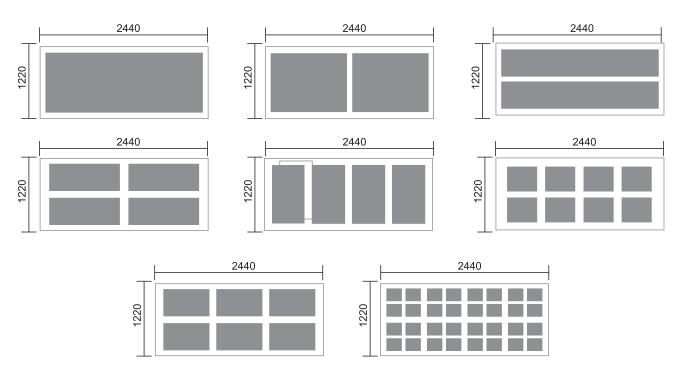
Multiplexes, Cinema Halls, Auditoriums, Recording Studio, Conference Halls, Banquets etc. & other commercial interiors.

* NRC (noise reduction coefficient) value of 0.70 - 0.85 with a backing of 48g/m³ density rock wool or 24kg/m³ density glass wool in 50mm thickness.





BOARD PERFORATION LAYOUT MODE...PATTERN







DESIGNER FALSE CEILING TILES

CAISI CEILINGS CALCIUM SILICATE designer tiles are available in white colour with exclusive design patterns. These tiles provide high aesthetic value providing rich look to your interiors.

They impar exquisite appearance, aesthetics to the building interiors along DESIGNER TILES with functional benefit of noise and thermal reduction.

Calsi Designer Tiles are available in White Colour with high grade acrylic emulsion paint and semi perforations with different designs ready to use. These Tiles provide an aesthetic looks to your interior. Calsi Ceilings tiles help in reducing heat flow across the suspended ceiling. These can be laid in modular lay in BSR-Calsi 'T' grid system.

SPECIFICATION

Size : 595mm x 595mm & 595mm x 1195mm

Thickness: 8mm,10mm also available in 15mm thick densified edge **Edge Profile**: Square / Tegular / Micro-Tegular Scop Offices, Restaurants,

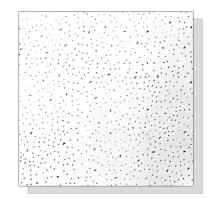
Showrooms, Cafeteria,

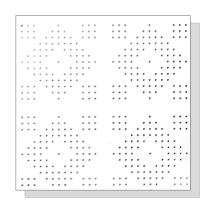
Scope : Lobby, Banquet Halls, Shopping Malls, Kitchen, Bathrooms and

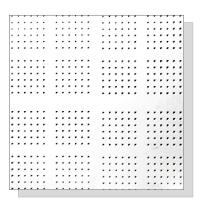
Common Areas core

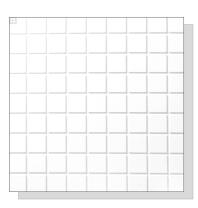
Material : Calcium Silicate, Gypsum











TECHNICAL DATA SHEET			
Density	900kg/m3		
Thickness	6/8/10 mm		
Water Resistance	No Effect of Water		
Termite Resistance	Termite Resistant		
Thermal Conductivity	0.15w/mk		
Fire Resistance a) Non - Combustibility (as per BS: 479: part 4: 1970) b) Ignitibility Test (as per BS: 476: part 5: 1968) c) Fire Propagation	Non - Combustible $^{\prime}P^{\prime}$ not easily Ignitable $^{\prime}$ Fire Propagation index I = 4.0		
(as per BS : 476 : part 6 : 1981) d) Surface Spread of flame (as per BS : 476 : part 7 : 1971)	Class - 1		
Biological	No Fungus & Mould Growth		
NRC	0.7 - 0.95 (for fully Perforated board / Tiles) *with backing of acoustical fleece or mineral wool		



Grooved acoustic panels supplied in form of modular slats, with special sound absorption characteristics, aesthetic finishes and excellent installation results.



Applications:

Acoustic correction with high aesthetic level. Application to walls and ceilings.

CW+ (Calsiwood+) System Description

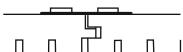
Acoustic Panel system with acoustic fleece backing high technical and aesthetic qualities. At the technical level it has a high absorption coefficient. Aesthetically it has a linear design, elegant and discreet, very suitable for acoustic conditioning

Support Material and Finishes

BIS certified medium density fibre board (Preferred for govt. projects). Our MDF boards are being manufactured with hard wood so automatically the density of our product become better than other products available in market. Our Calsi Wood Panels come with a variety of laminate wooden finishes to choose from.

Mounting System:

Tongue and groove



Suitable for walls and ceilings, the mounting system is tongue and groove making the linear joins are invisible adding to its aesthetic appeal and resulting in speedy and easy installation.

TECHNICAL DATA SHEET ACOUSTIC PANELS

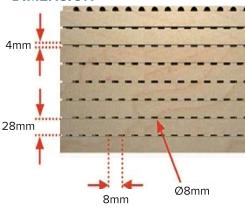
CW +001

Acoustic slat with grooves on viewed face and holes on the back side

CHARACTERISTICS

Groove	28 / 4
Hole Diameter	Ø8mm
Spacing	24mm
Thickness	15mm, 17mm
Length & Width	2440 x 132mm
Edge Matching (Thunge & Groove)	
Accessories (Clip)	
Aluminum Channel	
NRC	0.75

DIMENSION



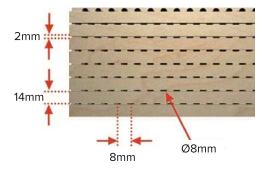
CW +002

Acoustic slat with grooves on viewed face and holes on the back side

CHARACTERISTICS

Groove	14 / 4
Hole Diameter	Ø8mm
Spacing	8mm
Thickness	15mm, 17mm
Length & Width	2440 x 132mm
Edge Matching (Thunge & Groove)	
Accessories (Clip)	
Aluminum Channel	
NRC	0.90

DIMENSION



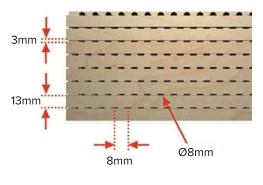
CW +003

Acoustic slat with grooves on viewed face and holes on the back side

CHARACTERISTICS

Groove	13 / 3
Hole Diameter	Ø8mm
Spacing	8mm
Thickness	15mm, 17mm
Length & Width	2440 x 132mm
Edge Matching (Thunge & Groove)	
Accessories (Clip)	
Aluminum Channel	
NRC	0.95

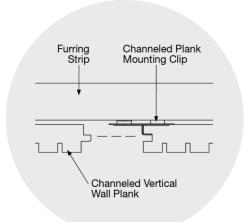
DIMENSION





CW+ System

Grooved slat system.
Excellent acoustic properties.
Attractive and modern design.
Easy installation.
For walls and ceilings.





Dimensions

Standard slats Measure 2440 x 132 mm and 15 & 17 mm thick



Materials and Finishes:

Manufactured on MDF, our panels can be finished with a wide range of wood iaminate surface finishes. We also supply accessories to improve the finishes of installation (decorative panels, skirting boards, corner pieces, trims, etc.).



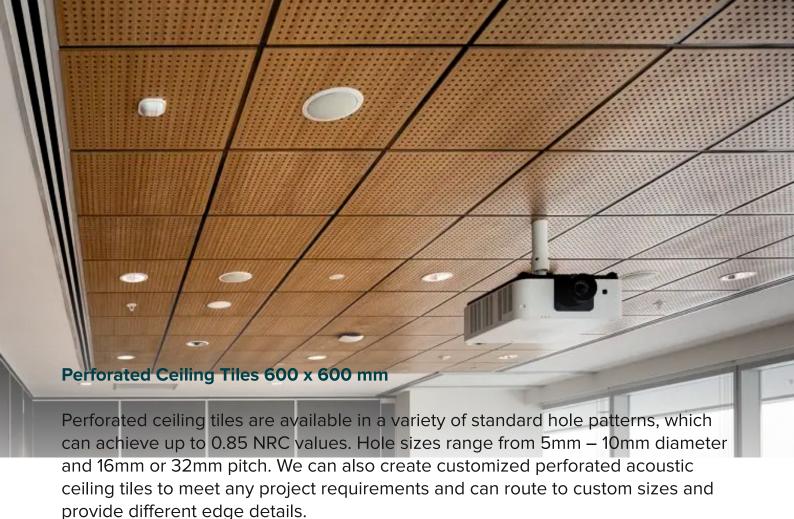
Installation System:

Various installation possibilities over wooden battens or metal profiles, with clips or directly attached to the structure. In order to obtain an optimum absorption coefficient, it is necessary to leave a space of at least 30 mm between the back of the panels and the wall, filled with mineral fibre with a density between 30 and 40kg/m3.

WOOD LAMINATE FINISHES



*Please contact us for more finishes and surface finish



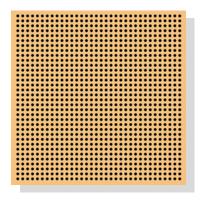
Scope: Hotel, Home Theater, Broadcasting Studios, Gymnasium, Multifunctional Rooms, Music Rooms, Restaurants, Nightclubs, Training Rooms etc.

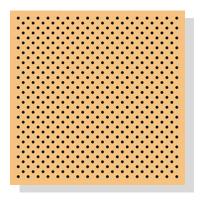
Specification

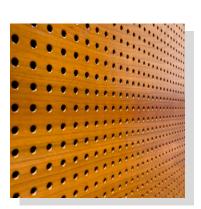
Thickness 12mm size 600x600mm, 600x1200mm

Acoustic NRC: 0.60 to 0.80

Hole Size : 4/6/8mm Weight: 8 kg/m2









Main - T

Main T are suspended by suspension system and carry the weight of the Grid system. These T have a system of interlocking with each other in order to provide an additional length and thus form a continuous mesh across the space where they are used.



They have following features

•Hanger holes •Slots to interlock Cross T

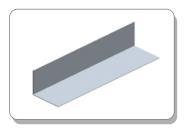
Cross - T

Cross T are used intermittently at the specified distances and are inter locked with the Main T. Typically the Cross T are of 2 sizes: 1200 mm and 600 mm. They thus form modules which makes a mesh/grid.0



Wall Angle

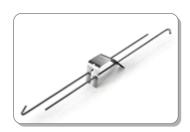
Wall angle is fixed to the perimeter of the wall at the ceiling level to hold the Main T and gives a finish when it terminates on the wall.



Level Clip

The Main-T are suspended from the soffit cleat with the help of level clips.

Dimensions in mm:
Butterfly Clip - 85 X 30 X 0.8 mm
Wire Rod - 4 Ø



Threaded Level Adjuster

Height can be adjusted by bolt.

Dimensions in mm:

Diameter - Ø6mm



Rawl Plug

It is an expandable fastener to hold the ceiling

Dimensions in mm:

Length - 45

Diameter - Ø8 to 12mm



Soffit Cleat

It is used to hold level clip for suspension of the framework from the structural soffit.

Dimensions in mm:

Long End - 27 Short End - 37

Width - 25 Thickness - 1.6



TECHNICAL SPECIFICATION

MainT	Thickness (in mm)	Length (in mm)	GSM
24 x 38	0.30/0.35	3000/3600	120
24 x 32	0.30/0.35	3000/3600	120
15 x 38	0.30/0.35	3000/3600	120
15 x 32	0.30/0.35	3000/3600	120
15 x 38 (Centre Black)	0.30/0.35	3000/3600	120

CrossT	Thickness (in mm)	Length (in mm)	GSM
24 x 38	0.30/0.35	1200	120
24 x 32	0.30/0.35	1200	120
24 x 26	0.30/0.35	1200	120
15 x 38	0.30/0.35	1200	120
15 x 32	0.30/0.35	1200	120
15 x 38 (Centre Black)	0.30/0.35	1200	120

Wall Angle	Thickness (in mm)	Length (in mm)	GSM
24 x 24	0.40	3000	-
22 x 22	0.40	3000	-

CrossT	Thickness (in mm)	Length (in mm)	GSM
24 x 38	0.30/0.35	600	120
24 x 32	0.30/0.35	600	120
24 x 26	0.30/0.35	600	120
15 x 38	0.30/0.35	600	120
15 x 32	0.30/0.35	600	120
15 x 38 (Centre Black)	0.30/0.35	600	120

Calsi 'T' GRID is manufactured as per Specification of CPWD DSR for following items

- Calcium Silicate False Ceiling Tiles: Item No. 12.53, 12.58 & 26.22
- G.I. Metal Ceiling Lay in False Ceiling Tiles: Item No. 12.52
- Mineral Fiber False Ceiling Tiles: Item No. 26.27
- GRG (Glass Fiber Reinforce Gypsum) False Ceiling Tiles: Item No. 26.26





GRG ceiling tiles are manufactured from glass-reinforced gypsum and comprise non-combustible gypsum casting plaster reinforced with a glass fiber membrane resulting in a lightweight and strong product. GRG tiles focus on quality with Fully Perforated & Semi Perforated Ceiling Tiles.

Benefits of GRG Ceiling Tiles.

BSR-Calsi GRG Tiles are Moisture Resistant and Strong under high humid conditions.

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



Calsi Fissured



Calsi Star Galaxy



Calsi Acolinea



Calsi Square Star

Technical Specification of Semi Perforated & Fully Perforated GRG Tiles.

Material	Glass Reinforced Gypsum		
Surface	moisture Resistance Paint		
Color	White		
Size	595mm x 595mm		
Thickness	10mm/12mm		
Edge Construction	Tegular / Micro Tegular		
Light Reflectance	0.75 - 0.85 (Certified)		
Moisture Content	Less Than 2.0%		
Fire Resistance	DS-476-4:1970 (Certified)		
Humidity Resistance (RH)	99% (Certified)		
NRC	≥0.85 (Certified)		

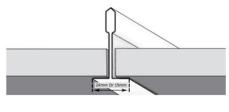


Our PVC Laminated Ceiling tile are made up of Gypsum Plaster boards & Fiber Cement Board, PVC lamination on the face, and Aluminized Foils on the Back. The aluminum Foiled backing has thermal insulation properties and the PVC facing Provide you Various Choices with different designs.

Gypsum PVC Laminated Tiles

Gypsum ceiling tiles which contain gypsum plaster- a high quality product that is free of any harmful substance. The ceiling tiles are laminated with PVC film on the front side and metalized pet foil on the back side. This gives the gypsum ceiling tiles superior, maintenance.

EDGES TYPES



SOL	IΛ	DE	FD	GE

Thickness	Metric (mm)	12.5mm
Edge Details	Square Edge	
Size	595mm x 595mm	

Edges Available

1. Square edge for 15mm / 24mm T-Grid.

Fiber Cement PVC Laminated Tiles

Fiber cement boards are composite materials made of sand, cement and cellulose fibers. More specifically, they are composed of Portland cement with glass-fiber mesh on the surface. They are highly resistant to fire, water and termites, making them an ideal choice for building good quality and long lasting furniture and homes.

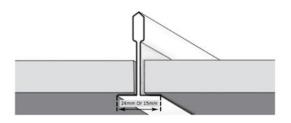
Our Fiber Cement Tiles have PVC lamination on the face, and Aluminized Foils on the Back.

Major Advantage over gypsum PVC Tiles.

The major advantage of these tiles over gypsum PVC tiles is, they stand strong in the presence of moisture and leaks. Fiber Cement Tiles have excellent moisture absorbing and drying properties making them resistant to weather change as well.

• PVC fiber cement tiles is strongly recommenced for use in high humidity area to prevent sagging and can also be used in semi outdoor application.

EDGES TYPES



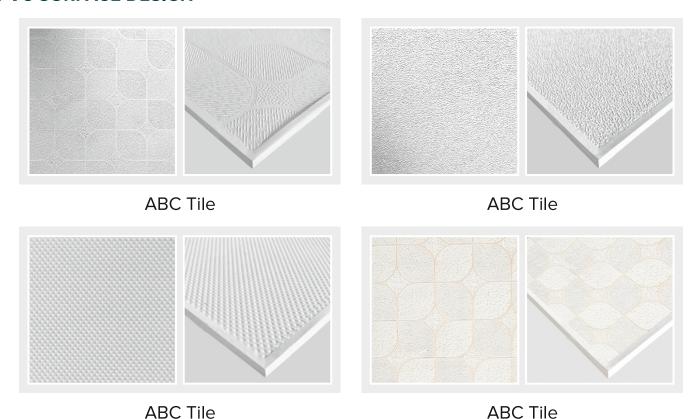
Thickness	Metric (mm)	4mm / 8mm
Edge Details	Square Edge	
Size	595mm x 595mm	

Edges Available

1. Square edge for 15mm / 24mm T-Grid.

SQUARE EDGE

PVC SURFACE DESIGN



Areas of Application

- Hotels, shopping centers, malls, hospitals, Theaters.
- Museums, Exhibitions, Conferences and Ball Rooms.
- Business centers officers and corridors
- Hall, leaving rooms, leaving areas.
- Schools, Hospitals and Public Institutions.
- Prefabricated and modular campuses.



PARTITION FRAME

Calsi Frame GI frame partition system is non-load bearing, simple to use construction technique can be used in commercial, institutional, industrial and modern office.

The system has been designed to cover all application of partition with simple profile of metal frame of high quality steel and galvanizing, thus enabling architect and interior designers and contractor to execute the project at ease.

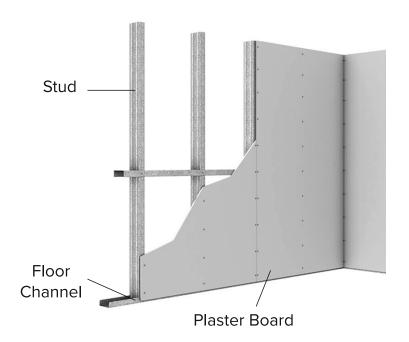
Suitable for gypsum board, plywood, cement sheet, calcium silicate board and other building material used for partition.

SPECIFICATION

CalsiFrames partition system 48mm stud of (flange of 32mm and 34mm) to be placed at 610mmm center of 50mm floor and ceiling channel (equal flange of 32mm)

MATERIAL

Galvanized Iron (G.I.)



	Width	Length	Thickness	Zinc Coating
Stud	48/70/98mm	3000mm, 3660mm	0.50 to 0.60mm	120gsm, 150gsm
Floor Channel	50/72/100mm	3000mm, 3660mm	0.50 to 0.60mm	120gsm, 150gsm



CEILING FRAME









Ceiling Section

Application : The main supporting section to fix plasterboard

Dimension in (mm): 50.5 x 26 x 26 x 10.5 x 3660 Thickness - 0.50, 0.55 Zinc Coating - 120gsm, 150gsm

Intermediate Channel

Application : Primary section to support the ceiling section

Dimension in (mm): $15 \times 45 \times 15 \times 3660$ Thickness - 0.90 Zinc Coating - 120gsm, 150gsm

Perimeter Channel

Application : Fix around walls/partitions

Dimension in (mm) : $20 \times 27 \times 30 \times 3660$ Thickness - 0.50, 0.55 Zinc Coating - 120gsm, 150gsm

Ceiling Angle

Application : To Provide suspensions from the structural soffit Dimension in (mm) : $25 \times 10 \times 3660$ Thickness - 0.50, 0.55 Zinc Coating - 120gsm, 150gsm





CALSI BIO-RESISTANT

BIO-RESISTANT material is essential in the Healthcare sector, especially in hospital and clinics. It prevents the build-up of toxic strains of bacteria, moulds and yeasts. Calsi Bioguard coating are used on calcium silicate gypsum & metal ceilings our product have homogenous structure with bio-resistant properties and finally coated with antibacterial and antifungal paint from all sides to provide smooth and bio-resistance surface for Hygiene conditions.

Application Area (False Ceiling):



Hospitals



Healthcare Centres



Laboratories

OUR PRESTIGIOUS CLIENTS

































"Design is intelligence made visible"





BSR Calsi Ceilings®

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