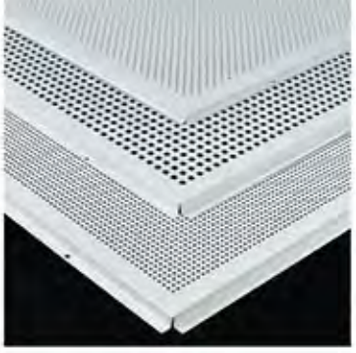


GENERAL DESCRIPTION

Modular, Accessible and Economical Series Lay-on Exposed Tee Bar System provides an economical solution to many ceiling requirements with emphasis on the modular design pattern.

This Lay-On Metal Tile Ceiling System combines ease in installation by laying the tile onto the flanges of the exposed tee bar system. Individual tile can be removed anywhere in the ceiling by lifting the tile upwards into the void space without the use of special tools.

The tiles are either plain or perforated in different patterns and are finished post fabrication with Electrostatic powder coating to Standard white or other RAL colours on request.

Standard modular or circular light fitting and ventilation grilles can be integrated into the ceiling system.
A combination of perforation and acoustic fleece bonded on the back side of the tile can cater to various acoustical needs.



FEATURES :

- Aesthetics.
- Fast and simple to install.
- Tiles with square edges.
- Easy access without the use of special tools.
- Minimum 15 Year product life expectancy.
- Durable, washable finish.
- Compatible with industry-standard fixtures and air diffusers.



Environment Friendly Products

INSTALLATION

Step 1: Installation of Perimeter angle on walls

- Establish the finished floor to ceiling height,
- Add the height of the wall angle, and mark on 3 walls.
- Mark a connecting line on the fourth wall using a chalk line.
- Fix the wall angle to the walls using suitable fixings positioned 300mm apart.
- Construct internal and external corners to ensure that Ceiling Tiles lie flat.
- Note! wall angle must be leveled around the room. (If necessary use a Spirit Level)

STEP 2: Suspension Layouts

- Layout a grid 1200mm x 1200mm using a chalk line on the structural soffit, starting at the centre of the room to ensure even borders all around.
- Mark positions where the grid lines intersect, these become the positions of the top fixings.(The type of top fixing will depend on the construction of the soffit).

- Note! Last fixing must not be more than 450mm from walls.

STEP 3: Installing "Hanger Wires"

- Affix hangers to the soffit allowing a pull-out force of at least 2.5 times the hanger load, and maintain a distance between rods not more than 1200mm in both directions, and not more than 400mm from the wall (with necessary struts around places of service to avoid excessive ceiling deflection).

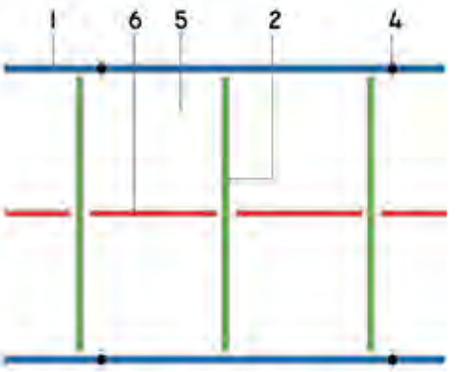
STEP 4: Installing Main Runners

- Cut the end of first Main Runner so that Cross Tee "H" slot aligns with chalk line and the cut end of the Main Runner sits on the wall angle.

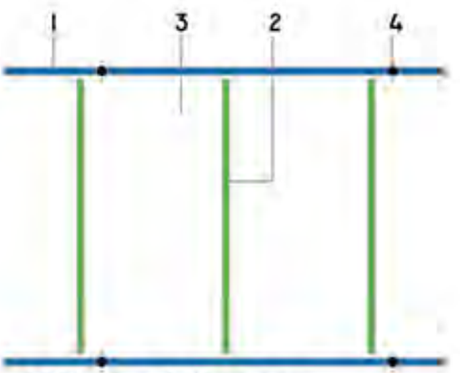
- Fix a chalk line as in Step 3, but this time position the line at the bottom of the wall angle at 90 degrees to the intended direction of the Main Runner, a distance equal to the appropriate border Tile dimension from the wall.

- Pass ends of hanger wire through the appropriate holes in bulb of Main Runner ensuring that each wire hangs vertically and is wrapped securely around itself 3 times.
- Lock into place next Main Runner and continue as done previously ensuring that each Main Runner is leveled so that, Fire Splices are NOT adjacent to each other and a hanger wires are close to each Main Runner Joint / Fire Splice.

Exposed Grid Ceiling System

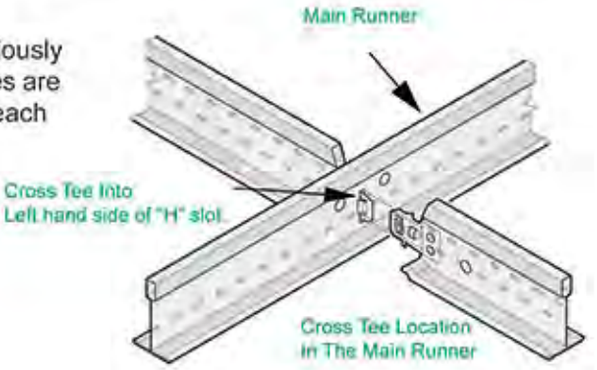


600MM X 600MM GRID

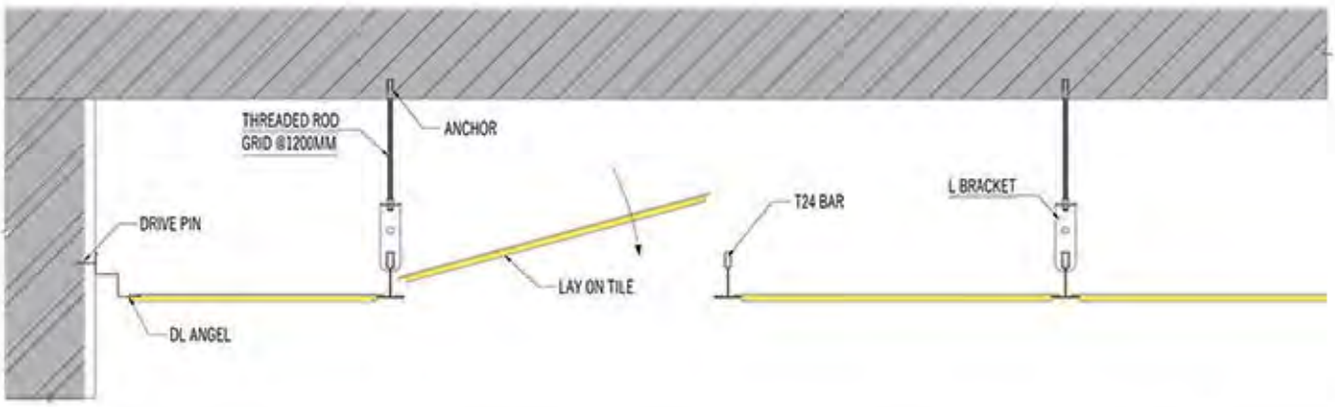


1200MM X 600MM GRID

1- MAIN TEES AT 1200 MM CENTRES
2- CROSS TEES AT 1200MM LONG & 600MM CENTRES
3-1200MM X 600MM CEILING TILE
4- HANGER RECRESENTED BY X
5- 600MM X 600MM CEILING TILE
6- CROSS TEE 600MM LONG CLIPPED INTO 1200MM LONG CROSS TEES



INSTALLATION (Continued)





STEP 5 Installing Medium Cross T120

Insert the end of the first full length 1200mm Cross Tee into the left hand side of the "H" slot in the Main Tee, in line with the chalk line set up in (Step 4.)
Ensure the Locking tag is fully through the Main Tee.

- Insert the second full length 1200mm Cross Tee into the same "H" slot from the opposite side of the Main Tee.Again, insert into the left hand side of the "H" slot.
- Cut Cross Tees at perimeter to suit Border Panel dimension.
- Continue procedure spacing Cross Tees 600mm apart across the Main Tees.

STEP 6 Installing Small Cross T60 (in the middle slots in cross T120)

- Add rod hanger before and after by(150mm) from connection point of (MT360). (see hanging types on page 11)

STEP 7 Laying on the tiles:

- lay in the tiles easily by tilting each one up through the opening and lower it to rest squarely on all four Tees. (It's preferably to make the cut module exceed more than half a tile).

STEP 8 Installing Services:

- Install services such as, (lighting - diffusers - sprinklers.... etc.)

STEP 9 Note:

- In cases of tiles Model (ZT1-B) Tegular, it's preferably to use cut module from model (ZT1-A) square edge.

Clip in Tiles Type System
(Technical Data Sheet)

Material
1.Steel Sheets : Hot dipped galvanized steel sheets Comply With ASTM A653 (with skin pass process), thickness 0.4mm up to 0.6mm H 60 the zinc coating not less than 120gm/m and painted with Elector Static (epoxy) Powder coating in interior usage or Using pure polyester Powder coating for exterior usage.

2.Aluminium sheets : grad (1060) temper H16,H24,thick 0.6mm up to 0.8mm and painted with Elector Static (epoxy) Powder coating in interior usage or Using pure polyester Powder coating for exterior usage, thick paint 60- 80 Microns for the face and sides, Standard color White Ral 9016 & Special colors can be provide upon client Request .

Surface Finish
1.Plain or Perforated (see perforation patterns on page 60)

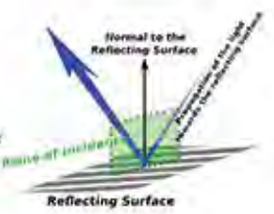
Durability
1.The Strips withstands wash, Scrub and Soil.

LEED
products achieve the fulfill requirements of MR credit 4 and MR credit 5

Anti microbial
1.Surface does not allow Bacteria and Fungus to grow, this Attributed to the special coating which comply with tests JIS 2801-2000. ASTM D3272



Light Reflectance
1.88 % for plain surface
2.72% for perforated surface
Under tests ASTM C549



Acoustic
1.NRC : Perforation surface can achieve up to 0.9NRC and Plain surface achieves 0.1 NRC by using suitable insulation pads filling on the back side.
under tests ASTM C423



2.STC : Perforation surface can achieve up to 36db . and plain surface 42dp by using suitable insulation pads filling on the back side.
under test ASTM E1414,E1413

Fire Rating
The Materials non combustible and it can withstand fire up to 60 min. depending on thickness & suitable insulation pads filling on the back side.
Under tests ASTM E119

Fire Performance
1.Flame spread index 25 or less
2.Smoke spread index 50 or less
Under tests ASTM E84



Cleaning ALZAHABIA Metal Ceiling Tiles



The white surface paint coat on Metal Tiles is a long lasting durable powder coat application. Cleaning intervals will be dictated by the environmental usage / conditions.
Use mild Luke warm soapy water or window cleaner.
Do not use scouring powders or strong chemical detergents.

ALZAHABIA

Means
Safe Products



Green Building
90% recyclable at end of product life.

Safety / Maintenance
Chemical Characteristics : None
Dangerous components : None
Ecology and Health: ALZAHABIA ceiling tiles use pure white painting color RAL 9016.
The paint consists of non organic binders derived from epoxy resins, color pigments and small amounts of inorganic additives free from harmful substances.