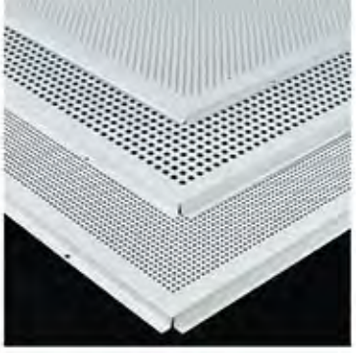


GENERAL DESCRIPTION

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

1. Using a laser, or equivalent, determine ceiling level and secure perimeter trim (WA20) to the wall at 450mm maximum centres. (The trim is to be at the same level as the grid when using Flat Lay-In tiles as the standard perimeter detail).

2. Cut lengths of either suspension angle or suspension rod to suit suspension depth,ensuring sufficient length for fixing.
3. Setting out from the centre of the room, secure hangers at 1200mm maximum centres to the structural soffit using fixings approved by the Architect and determined by load and safety factor considerations. The first hangers are to be no more than 450mm from the wall. Where possible, not less than half tiles should be used at perimeters.

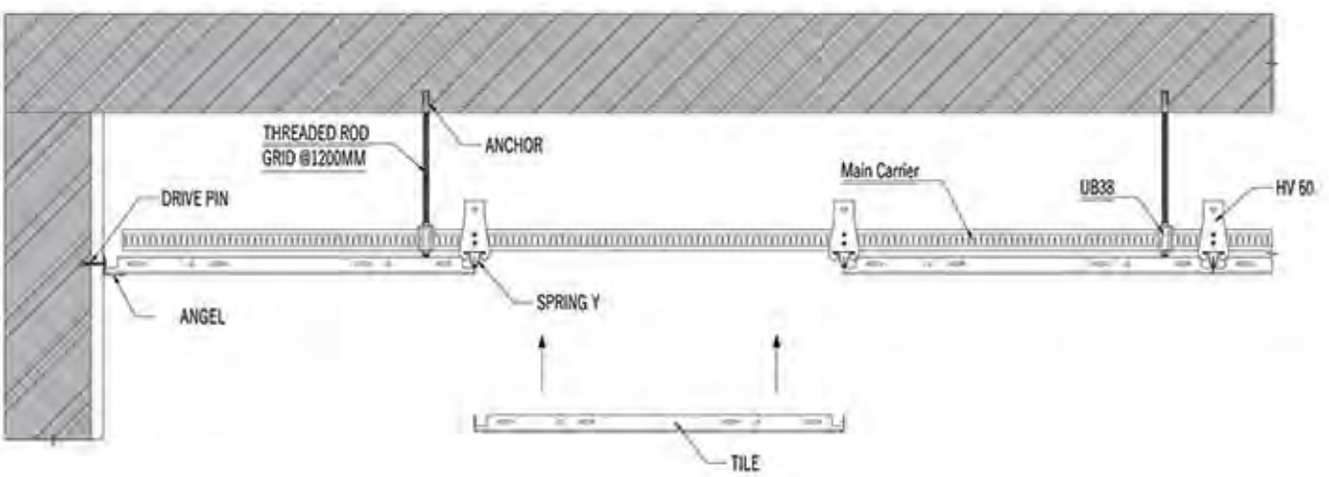
4. To achieve a 600 x 600mm module, install Main Runners at 1200mm centres using M6 or equivalent fixings to angle hangers. Wire hangers to have a minimum of 3 turns to form a tight coil. threaded rod hanging by using steel anchor plug.

5. Interlock 1200mm cross tees between main runners at 600mm centres and 600mm cross tees centrally between them.

6. Tiles can now be offered into place. (With Flat Lay□In tiles being used at all perimeters where a flush finish is required into perimeter trim).

7. Cut perimeter tiles must be retained using wedges angle clipped at 300mm maximum centres.

ASSEMBLY METHOD ILLUSTRATION



CLIP-IN TILE REMOVAL

The method of extracting Clip-In tiles using the key tool is as follows:

- Establish the direction of the spring tee.
- Insert the key at a slight angle between the tiles joints, approximately 50mm from the tile corner, with the hook of the key facing the tile to be removed.
- Push in the key until it touches the top of the spring tee section.
- Pull down the key against the top of the spring tee section and the tile should start to come out. Repeat the same process on the parallel corner of the tile.
  Then the tile can be removed in a controlled manner.

TILES REMOVAL TOOL



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

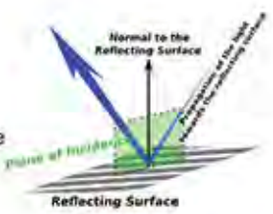
Anti microbial

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.