



Making life safe.
And lifestyle great.

Aerolite[®]
Non-Cementitious
Lightweight Calcium Silicate Ceilings



Concealed Grid Ceiling System



Non-Combustible



100% RH Resistance



Integrated Densified Edge

Specification Guide

- Providing and Fixing 15 mm thick Densified Concealed grid edged eco-friendly non cementitious light weight calcium silicate false ceiling tiles of approved texture of size 600 x 600 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) of 600mm pitch standard, consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T'.
- 15 mm thick densified Concealed grid edged non cementitious calcium silicate ceiling tiles of approved texture are hanged from the T grid laid (as mentioned above) using SPECIAL BRACKETS which shall be supplied by the manufacturer. These brackets are fixed to the tiles at site using a template supplied by the manufacturer. The mounting process doesn't involve the use of any tool, except for the last closing tile which requires the use of SPECIAL STAND & KEY which shall be supplied by the manufacturer. The dismantling process involves the use of a special stand & key for dismantling the first tile, the rest of dismantling process is a simple manual process. Random removal & placement of single tile also involves the use of a special stand & key. Installation work also includes cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.

Advantages

- Creates a monolithic look with accessibility.
- Can be readily installed on existing T-24 grids enabling renovation.
- Provides better sound attenuation due to monolithic construction.
- Provides best protection against fire to the roof structure
- Random access to tiles is possible as any tile is dismantlable
- More hygienic ceiling due to the absence of spaces between grid and tiles.
- When bio-safe tiles are used entire ceiling surface will be effective due to absence of joints

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