



metal ceilings

system 330

lay-in tiles (c-profile suspension)



System Description

SAS System 330, linear or tartan grid, is a lay-in tile system that provides functionality and outstanding performance with a range of cost effective design options.

System 330 offers the facility to design the ceiling to any building grid size. Tiles are available in a range of shapes and sizes to meet individual project requirements.

System 330 'CoolCeil' incorporates a Radiant Chilled Ceiling element in the rear of the tile, further details are available on page 173.

Supported from either an Omega C-Profile with a M6 thread form or a plain C-Profile. Both profiles can be fitted with a gasket that provides a tight seal between profile and tile.

System features:

- Infinite range of modules for any building module
- Flexible layouts for relocation of partitions
- Optional Radiant Chilled Ceiling solution
- Optional hinge down mechanisms
- Minimum 25-year product life expectancy

Tile Sizes

System 330 panels can be made in mm increments to meet building module size; a range of rectangular and square tiles can be manufactured.

Large square mega panels can be manufactured in sizes up to 1500 x 1500mm. For further details please contact our technical department.

Finish

Polyester Powder coated supplied as standard with a RAL 9010 smooth finish; a fine textured finish (SAS FT), anti-bacterial coating (SAS AB) and other colours are available. See page 36 for a full range of paint finish options.

Grid System

Profile suspension, C-Profile and Omega C-Profile, see pages 151–155 for components.

Shape

Tiles are available in square, rectangular, mega panels, coffered, curved and trapezoidal forms to meet individual project requirements.

Perforation

Typically supplied with 1522, 1820 or 2516 perforation. See page 103 for full details and perforation options

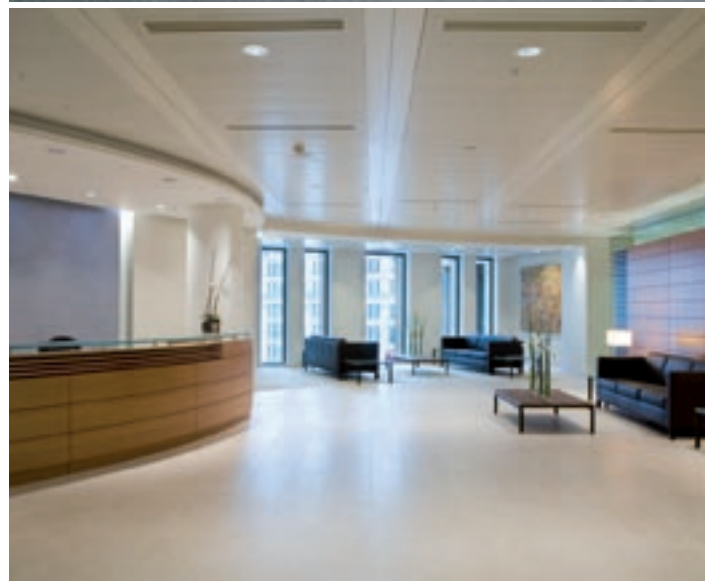
Integration

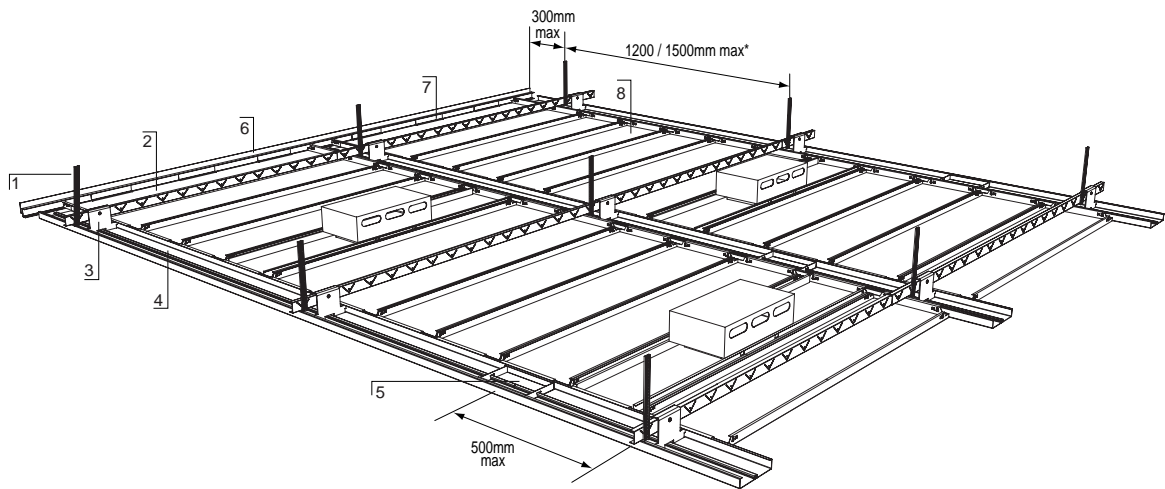
Apertures can be formed during manufacturing for luminaires and other services, see pages 38–39 for further details

Weight

Approximately 14kg/m² for linear grid steel tiles, acoustic/insulation pad and suspension system.

Approximately 15kg/m² for tartan grid steel tiles, acoustic/insulation pad and suspension system.





1] Emac Hanger 2] Emac Channel 3] C-Profile Hook-over Suspension Bracket 4] C-Profile / Omega C-Profile 5] C-Profile Splice
6] Perimeter Trim 7] Perimeter Wedge 8] System 330 Tile

Refer to components section page 151 for full description and item numbers.

Notes

Emac hangers should be installed a maximum of 300mm from the end of a run of Emac channels and 300mm from the joint between these channels. Where two C-Profiles meet and are spliced together, an Emac channel should be installed within 500mm.

It is considered good practice to stagger joints in supporting structures.

Additional Loads

When supporting services such as downlights, speakers, detectors and other mechanical and electrical services, the maximum load applied to the ceiling tile must not exceed 7kg including spreader yokes if applicable.

The application of a load should always be considered. Please consult the SAS technical department for further advice.

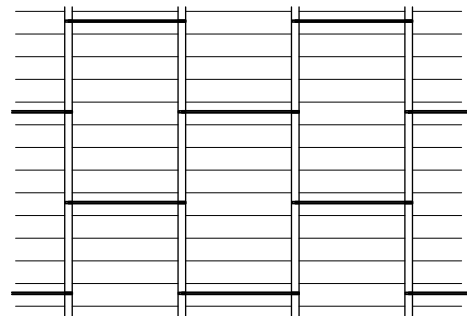
For loading for flange formed reinforced apertures, please consult with the SAS technical department.

Suspension Options

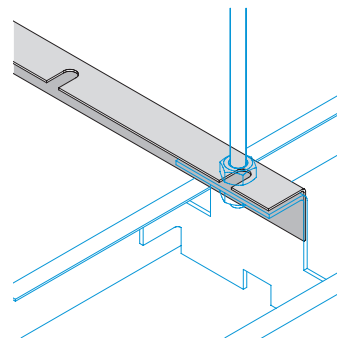
C-Profile suspension brackets can be used with Emac channel sub grid or threaded rod.

A single threaded rod can be used with C-Profile widths of less than 150mm, wider C-Profiles require two threaded rods for stability. A distancing profile must be used when using the following System 330 applications for lateral restraint and integrity.

- All Linear 330 arrangements
- Tartan grid arrangement when single threaded rod is being used



Distancing profiles set out in chequer-board arrangement



Distancing profile in application



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