

# system 310

lay-in tiles (linear or tartan grid)





# system 310 information

## System Description

SAS System 310, is a lay-in tile system that provides functionality and outstanding performance with a range of cost effective design options.

System 310 offer the facility to design the ceiling to all building module sizes. Tiles are available in an range of shapes and sizes to meet individual project requirements.

Tiles are supported from a linear or tartan aluminium grid which features a continuous M6 thread form. Perforations up to 65% open area enable them to be used in conjunction with void mounted energy efficient chilled beams.

## System Features

- Tile sizes for any building module
- Range of perforation options
- Range of acoustic backing options
- Minimum 25-year product life expectancy

## Tile Sizes

System 310 panels can be made in mm increments to meet building module size. They are typically 1200 / 1350 / 1500 mm long and 300 / 400 / 600 mm wide.

## Finish

Polyester powder coated as standard with a RAL9003 or RAL9010 smooth finish; a fine textured finish (SAS FT), antibacterial coating (SAS AB) and other colours are available. Our paint finish can be guaranteed for up to 40 years. Please contact you local technical team for further details.

## Grid System

Tiles are supported from an aluminium grid, see over for details.

## Shape

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

## Perforation

Typically supplied with a large open area perforation; ultra micro and micro perforated tiles can be manufactured making them suitable for either acoustic or chilled beam applications.

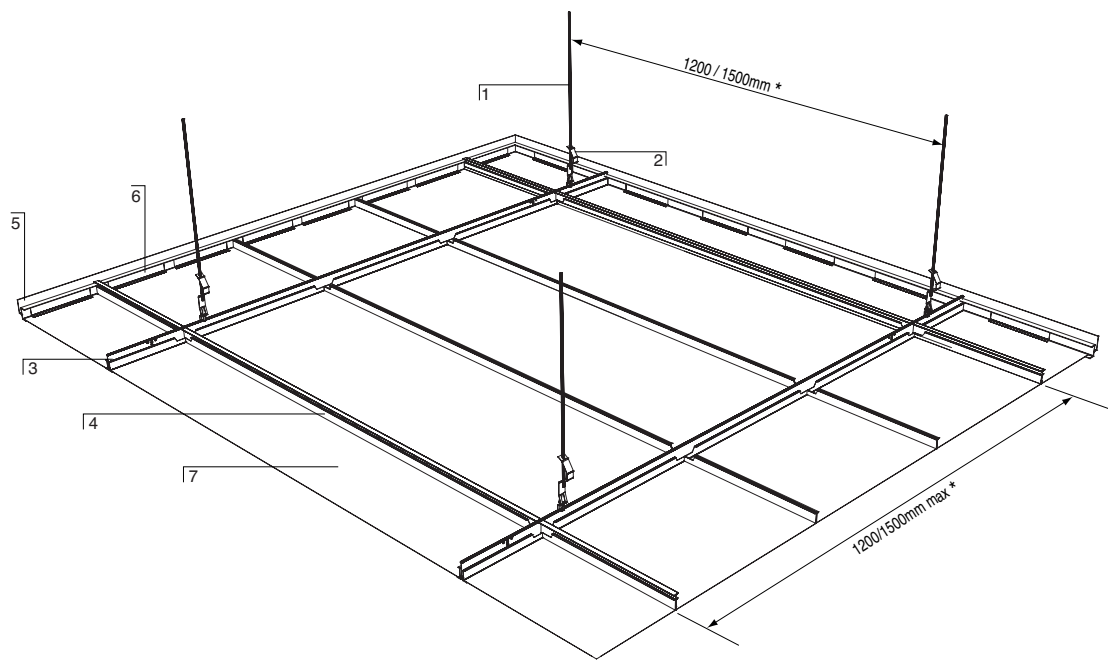
## Integration

Apertures can be formed during manufacturing for luminaires and other services, reducing on site wastage.

## Weight

Approximately 12kg/m<sup>2</sup> for steel tiles, acoustic pad and suspension system.

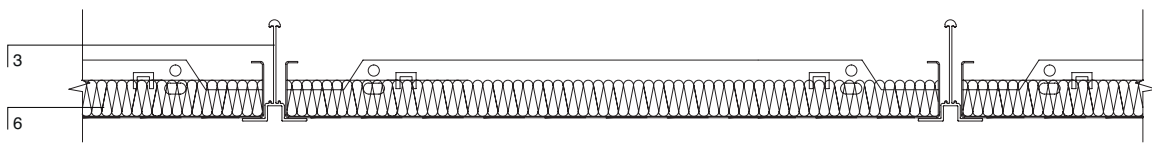




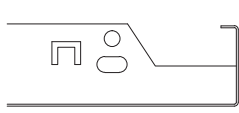
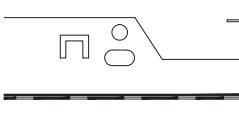
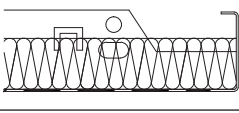
- 1] Hanger Rod      2] Hanger Bracket      3] Top Hat Main Runner      4] Spline      5] Perimeter Trim  
6] Perimeter Wedge      7] System 310 Tile

\* Lightweight installations only.

### Section Drawing



### Acoustic Performance Data

		Attenuation	Absorption	
		dB	Class	
			NRC	$\alpha\omega$
	Plain tile.	43	N/A	
	Perforated tile with acoustic fleece.	13	Class C	
			0.70	0.65
	Perforated tile with 18mm x 80kg/m³ acoustic pad.	30	Class A	
			0.85	0.90

## Grid Description

SAS System 310 tiles are supported directly from the soffit on a linear or tartan aluminium grid.

The visible main runners and cross tees feature an M6 thread form recess that facilitates the location and relocation of partition heads, signs and other lightweight fixtures by means of an M6 bolt, without causing damage to the ceiling plane.

Linear grid is locked in by concealed aluminium 'T' distancing splines that are installed at 1200 / 1500mm intervals. These tee sections provide bracing to the main runners.

## 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 any load should always be considered. Please consult the SAS technical department for further advice.

## Perimeter Trims

A range of aluminium perimeter trims are available, including channel trims, column rings and plasterboard transition trims. Please contact your local technical team for further information or download details from our website.

## Sustainability

SAS International is committed to ensuring environmental best practice throughout the life of its products ensuring minimum impact upon the global environment. Through better design, responsible sourcing of materials and innovative manufacturing techniques, we are able to provide our clients with solution that help their buildings achieve global environmental standards.

## Green Star – Offices v3

Our interior products contribute to a number of Green Star credits. Many of these measures are assessed across the whole project. Where required we can provide test data or information to support these measures. A copy of our Green Star statement can be downloaded from our website.

