



SAS International Ltd

n55Plus



System 120

By SAS International Ltd

Detailed description

A range of square and rectangular clip-in metal ceiling tiles designed to take support from Emac proprietary spring tee suspension system. Supplied either plain or in a range of perforation patterns. Tiles are finished post fabrication with an electrostatically applied polyester powder paint to RAL 9010 white or to specific colours if requested.

- Closed butt joints with bevelled edges.
- Concealed grid suspension system.
- Total downwards demountability.
- Minimum 25 year product life expectancy.
- Preformed apertures giving easy service integration.
- Extensive range of perimeter options.
- Environmentally friendly, recyclable products.

The Emac suspension components are manufactured from galvanized/ zintec steel or aluminium alloy.

Acoustic options are available in the tile range, with the addition of acoustic fleece adhered to the back of the tile or 18 mm x 18 kg/m³ Rockwool wrapped in foil with a black tissue face (loose laid). Sound reduction of up to 35 dB can be achieved. Perforated tiles can be manufactured with plain zones within the perforated area to provide a border around services or for decorative effect.

System 120 tiles may be used externally, subject to wind pressures and load. Aluminium should always be specified as the base material and painted both sides. Contact technical department for details.

Product guidance - As Standard

Reaction to fire:

- To Building Regulations Approved Documents, Class O.

Acoustic Performance:

- Absorption: Tested in accordance with BS 3638.
- Attenuation: Tested in accordance with BS 2750-9.

Thermal Insulation:

- Not more than - 0.36 W/mK.

Weight with insulation pad and suspension system:

- Steel tiles: Approximately 10 kg/m².
- Aluminium tiles: Approximately 5 kg/m².

Grid:

– System 120 - Emac long span spring tee system consisting:

- Preformed Fix-n-Fold galvanised steel suspension hanger.
- Galvanised steel suspension channel. Size: 16 x 38 x 16 x 1.5 mm/ 16 x 38 x 16 x 1.2 mm.
- Long span spring tee bar – 30 x 29 mm.
- Galvanised steel tee bar splice 150 x 32 mm.
- Galvanised steel spring tee bar/channel bracket – 68 x 44 mm.

Options

Perforation pattern:

All tiles can be supplied either plain or with an extensive range of perforation patterns to accommodate both the aesthetic and functional performance requirements of individual applications. For details see SAS perforation pattern brochure. Standard patterns are:

– 1522:

- 1.5 mm diameter holes.
- 22% open area.
- Diagonal pitch.

– 1820:

- 1.8 mm diameter holes.
- 20% open area.
- 3.6 mm square pitch.

– 2414:

- 2.4 mm diameter holes.
- 14% open area.
- Diagonal pitch.

– 2516:

- 2.5 mm diameter holes.
- 16% open area.
- 5.5 mm square pitch.

– 5046:

- 5.0 mm diameter holes.
- 46% open area.
- Diagonal pitch.

– OB25:

- 14 mm slot holes.
- 25% open area.
- 18.5 mm square pitch.

Trims:

– TCAO 108:

- Perimeter channel trim, 19 x 38 x 19 x 0.6 mm.
- Painted zintec steel.

– TCAO 128:

- Shadow edge perimeter profile, 38 x 20 mm channel with 15 mm shadowgap.
- Polyester powder coated aluminium.

– TRU ST 150:

- Cut tile shadowgap.

– TRU SJ 150:

- Shadowgap to support plasterboard.

Product specification

Manufacturer

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Product reference System 120

Tile [_____]

Size	300 x 300 mm 600 x 300 mm 750 x 300 mm 900 x 300 mm 1200 x 300 mm 1500 x 300 mm 500 x 500 mm 600 x 600 mm 1200 x 600 mm 625 x 625 mm
Material	Aluminium Steel
Perforation pattern	Plain 1522 1820 2414 2516 5046 OB25
Colour	RAL 9010 white - Standard.
Acoustic backing	Not required Adhered fleece Loose laid foil wrapped Rockwool
Size	300 x 300 mm 600 x 300 mm 750 x 300 mm 900 x 300 mm 1200 x 300 mm 1500 x 300 mm 500 x 500 mm 600 x 600 mm 1200 x 600 mm 625 x 625 mm
Material	Aluminium Steel
Perforation pattern	Plain 1522 1820 2414 2516 5046 OB25
Colour	RAL 9010 white - Standard.
Acoustic backing	Not required Adhered fleece Loose laid foil wrapped Rockwool

Trims	TCAO 108 TCAO 128 TRU SJ 150 TRU ST 150
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Accessories	[Hold down wedges]
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