

### Technical characteristics

#### Description

Metal ceilings built with 300 wide and variable length lay-on tiles and main-tee profiles from series 24 and series 35.

#### Method of production

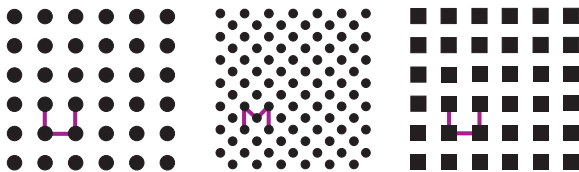
300 mm x variable length lay-on galvanised-steel tiles are perforated and folded before being coated with 60 microns of electrostatically-applied polyester powder or polyester epoxy paint polymerised in kilns at 200°C (colour tolerance: standard DIN 5033).

#### Finishes and colours

Any of the 27 colours from our basic colour range and of the three finishes can be selected:

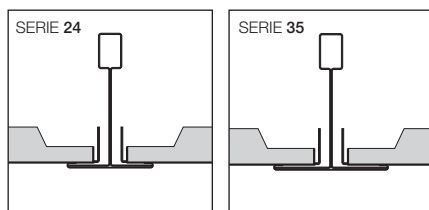
- Plain: unperforated
- Perforated: uniform perforation, 2.5-mm in diameter in U formation covering 16% of the surface, in compliance with ISO7806.
- Square Perforated: uniform 3-mm sided, square perforation in U format, covering 18% of the surface, per ISO7806.
- Micro-perforated: uniform perforation, 1.5-mm in diameter in M formation covering 22% of the surface, in compliance with ISO7806.

An unperforated border strip runs along the longer edges of 300 x 1,200 / 1,500 mm / variable length perforated tiles.



#### Suspension system

Suspended ceilings built with 300-mm wide metal tiles are assembled by butt joint along their longest edge and are installed on main-tee profiles from series 24 and series 35.



#### Supply presentation

finish	Tile		Box		Palet	
	measurements	Kg	M²	units	units	boxes
Plain	300 x 1,200 mm	2.2	4.32	12	144	12
Perforated	300 x 1,200 mm	2.0	4.32	12	144	12
Square Perforated	300 x 1,200 mm	1.96	4.32	12	144	12
Micro-perforated	300 x 1,200 mm	1.9	4.32	12	144	12
Plain	300 x 1,500 mm	2.7	5.4	12	144	12
Perforated	300 x 1,500 mm	2.5	5.4	12	144	12
Square Perforated	300 x 1,500 mm	2.45	5.4	12	144	12
Micro-perforated	300 x 1,500 mm	2.4	5.4	12	144	12
Plain	300 x 2,000 mm	4	7.2	12	144	12
Perforated	300 x 2,000 mm	3.4	7.2	12	144	12
Square Perforated	300 x 2,000 mm	3.32	7.2	12	144	12
Micro-perforated	300 x 2,000 mm	3.2	7.2	12	144	12
Plain	300 x 3,000 mm	5.7	7.2	8	96	12
Perforated	300 x 3,000 mm	5	7.2	8	96	12
Square Perforated	300 x 3,000 mm	4.92	7.2	8	96	12
Micro-perforated	300 x 3,000 mm	4.8	7.2	8	96	12

### Performances

#### Tile reaction to fire: M1

#### Sound absorption

A thin sheet of "non-woven" fabric, consisting of glass fibre and cellulose agglutinated with synthetic fibres, hot-melted onto the interior part of perforated and micro-perforated tiles enhances sound absorption levels and prevents airborne dust and dirt from settling.

High sound absorption levels can be achieved by combining perforated or micro-perforated tiles with acoustic fleece and mineral fibre: between  $\alpha_w=0.65$  and  $\alpha_w=0.95$ , depending on the thickness and the density of the mineral fibre (LGA laboratory in Barcelona in accordance with UNE- EN 20254).

#### Sound insulation

Good levels of sound insulation can be achieved by combining plain tiles with mineral fibre and a sound damper: between  $R_w=37$  dB and  $R_w=45$  dB, depending on the thickness and the density of the mineral fibre (LGA laboratory in Barcelona in accordance with UNE- EN ISO 140-9).

### Movinord quality

All the processes used in the design, production, distribution and sale of MOVINORD's metal ceilings are quality assurance certified by AENOR (Spanish Standardisation and Certification Association) and IQNET (International Quality Network) per EN ISO 9001: 2000.