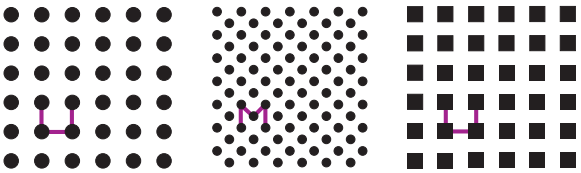
Technical characteristics

Description
Metal ceilings built with 600 x 600 mm tegular tiles and series 15 and series 24 visible profiling. Tegular metal tiles have a 3-mm bevelled edge and a 8-mm drop.

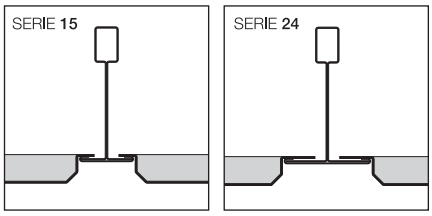
Method of production
Tegular galvanised-steel tiles are perforated and cold-drawn before being coated with 60 microns of applied polyester powder or polyester epoxy paint polymerised in kilns at 200ºC (colour tolerance: standard DIN 5033).

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.

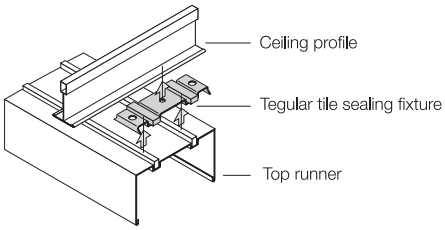
There is an unperforated border strip around the edge of perforated tegular tiles.



Suspension system
Suspended ceilings built with 600 x 600 mm flush tiles are installed on series 15 and series 24 visible profiling with grooves.



Tegular tile sealing fixture
A metal fixture to ensure sound insulation on the entire tegular tile and MOVINORD partition assembly. The fixture is easily incorporated into the system and can be painted in the same colour.



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 aw=0.65 and aw=0.95, depending on the thickness and the density of the mineral fibre (LGAI 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 Rw=37 dB and Rw=45 dB, depending on the thickness and the density of the mineral fibre (LGAI 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.

Supply presentation

	Tile		Box		Palet	
finish	measurements	Kg	M²	units	units	boxes
Plain	600 x 600 mm	1.55	5.76	16	512	32
Perforated	600 x 600 mm	1.33	5.76	16	512	32
Square Perforated	600 x 600 mm	1.30	5.76	16	512	32
Micro-perforated	600 x 600 mm	1.26	5.76	16	512	32

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