



MADERA VECTOR
Naturally Practical

aesthetical

Madera Vector - creating comfortable and practical interiors

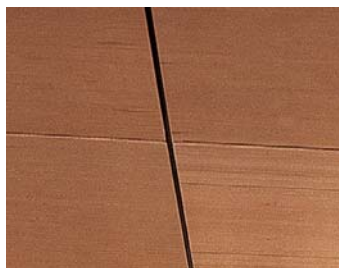


If you are looking to create a stylish yet comfortable environment that is easy to maintain and gives you many design possibilities.... then think 'Madera Vector'! Madera Vector combines all the **richness of wood** and the **practicality** of the Vector edge detail.

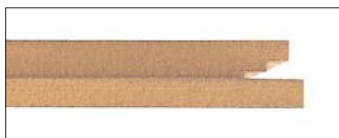
With Armstrong's new Madera Vector you can create an original and **warm interior** while making installation and **maintenance quick and easy**.

Madera Vector ceilings are designed for use in high visibility areas where the classic look of wood is desired, such as signature spaces in corporate hospitality and retail environments. It will soon become your favoured choice for **exclusive projects** including conference rooms, lobbies, offices, department stores, restaurants, speciality shops, waiting and music rooms.

As with the existing Madera range we offer a wide choice of **beautiful veneers** and laminates and a **variety of perforations**, this allows great scope to create an interior to suit your needs, combining the warm veneers, laminates and the various perforation designs to improve both the aesthetics and acoustical performance of the space. Add to this the clean sophisticated Vector edge detail to give you a well designed, practical ceiling.



Madera Vector installed on Prelude 24 XL black with a 6mm grid reveal



Madera Vector's edge detail

The Vector edge detail has already been used successfully by Armstrong for the metal 'Orcal Axal' and mineral 'Ultima and Optima' ranges and is now available for the Madera range.

The Vector edge detail works with a traditional 24mm exposed grid, the tiles cover a large part of the grid (see practical) creating an elegant 6mm reveal to each tile which gives a monolithic appearance to the ceiling.

beautiful

Veneers and perforations

Wood: The most beautiful and natural material for use in interior design.

Armstrong have searched around the world to find the best and most attractive woods to use on the Madera range. You can choose from a wide variety of veneers, plain and perforated* tiles all using the Vector edge detail to create an original, warm interior.

*Perforated panels provide better acoustical performance than non-perforated panels.

Laminates



Curly Maple (*Acer Saccharum*): inspired by the tree found in the USA and Canada, it has a beautiful grain of rolling smooth curves.



Pear (*Pirus Communis*): the tree itself grows in Western Europe. It has a dense wood, of homogenous structure, with superb polishing properties. Reproduced, its tender and warm colour gives a reassuring and comforting environment.



Lime Tree (*Tilia Vulgaris*): this tree can be found in several countries in Europe, but also in the USA and Japan. It is an attractive wood, with a whitish, creamy colour, verging toward pink at the heart. Its light, subtle grain creates a smooth, gentle looking wood.

Wood Veneers



US Cherry (*Prunus Serotina*): from the Black Rhum Cherry area of the Lake District in the USA, this is a pink wood with a fine grain, often with resin pockets. Its grain, thick and homogenous becomes red with time. It is easy to work with and gives stunning finishes, often used for sculptures and furniture.



US Maple (*Acer Saccharum*): known as hard maple, found in the USA and in Canada, this wood has a beautiful creamy colour, verging towards beige, with a darker beige heart. It too is easy to work and resists impacts and wears well, it is often used for floors.



Beech (*Fagus Sylvatica*): found in the rich forest forests of Europe, Beech is a white wood with a creamy matt colour. Its thin straight grain incorporates small, dense brown knots. It is resistant to wear and easy to work and to colour, also used for furniture, toys and work tools.

Wood veneer tiles are made of laminated hardwood on medium density board to provide the natural beauty of wood. Each species has its own character and personality. Whatever the species, the consistency of colour and grain/structure cannot be guaranteed. With each order, we recommend to allow for some extra tiles to accommodate for visual variations.

Before installing the ceiling, it is advisable to open several cartons to

harmonise the colours and grains of the different tiles. All our Madera products are factory-finished with a special varnish which will not turn yellow when exposed to natural or artificial lighting.

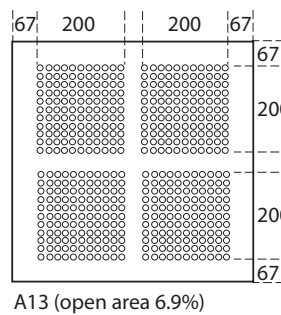
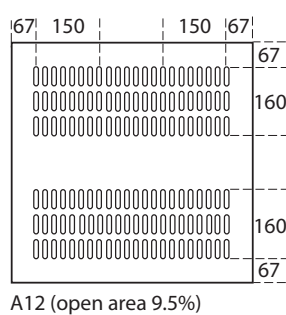
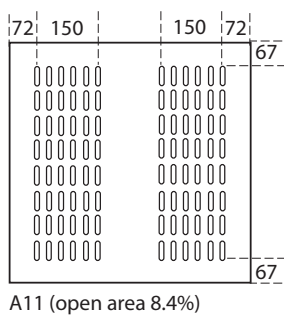
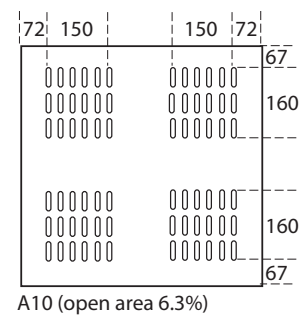
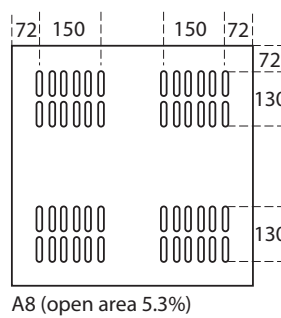
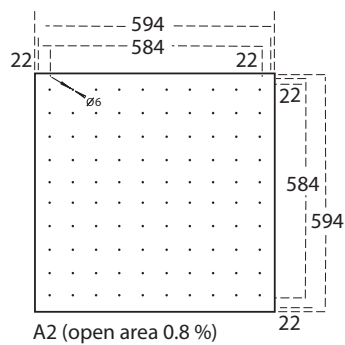
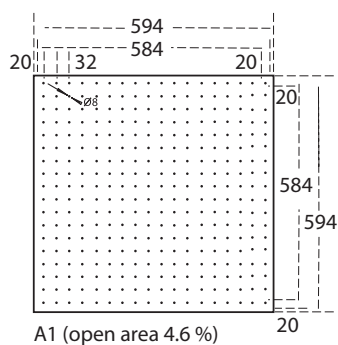
As any natural wood products, Madera Veneers could be subject to slight colour changes over time. Madera Laminates provide an excellent resistance to fading caused by ultraviolet light exposure and colour will not deteriorate over time.



Perforations

For improved acoustical performance, several perforation options are available upon request such as diameter and percentage of perforations.

For acoustical treatment, Mineral Ceilings and Wood tiles can be integrated by mixing Colortone or Nevada Colours at the perimeters, to create, for example, excellent speech and listening qualities in any room, i.e. a sound reflective ceiling in plain wood tiles mixed with absorbent material can be utilised to optimise reverberation times.



practical

Downward accessibility

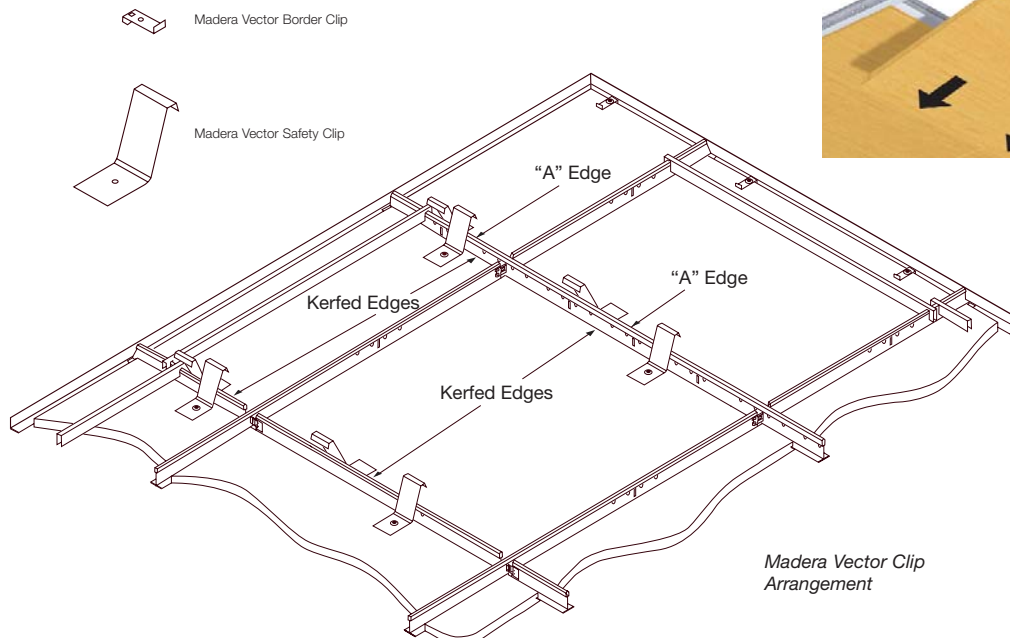
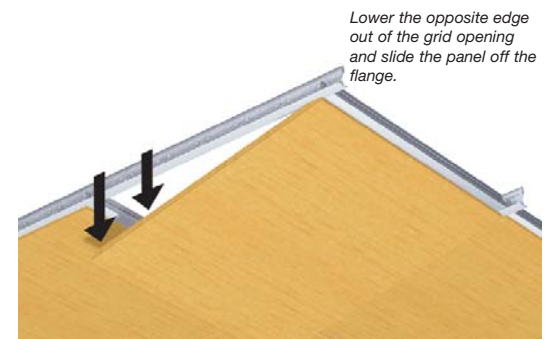
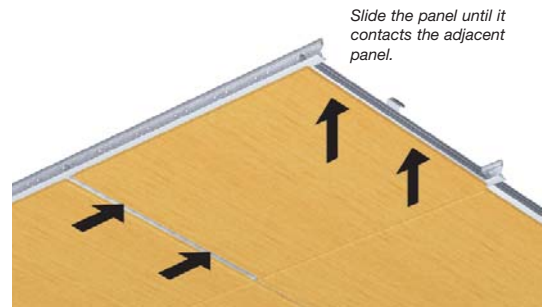
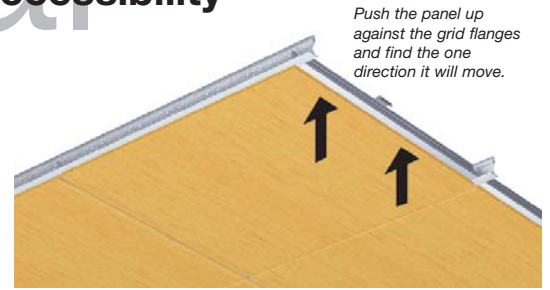
The panels feature the patented Vector edge detail to produce a sleek 6mm reveal that minimizes the visible grid, thereby creating a ceiling that is **much more monolithic** in appearance than ordinary suspended ceilings.

The 600x600 panels install in a 24mm exposed suspension system, which makes them ideal for renovation applications as well as new construction. Because there is no need to replace or re-paint an existing grid system, renovation projects can be completed quickly and cost-effectively with minimal workplace disruption. For better integration between grid and tiles, the use of Prelude 24 XL Peakform in black or brown is recommended.

Downward accessibility

With many buildings having congested plenums where normal upward access is impossible or difficult, the Vector edge detail allows **total downward access** making maintenance work easier, faster and more damage-free. This increases the durability of the ceiling by reducing the possibility of damage to the panels caused by hanger wires and other obstructions in the plenum. Madera Vector is the ideal ceiling to be installed with minimum plenum clearance.

Two **security clips** must be attached to each tile to prevent the tile from dropping accidentally when disengaged from the grid. Pushing slightly on the clip will allow simple and easy removal of the tiles without tools. These clips are provided with screws in each carton and are easy to install thanks to pre-drilled pilot holes.



THE VECTOR FAMILY

Vector family:

Vector Family (Ultima, Optima, Axal & Madera)



Madera Vector (US Cherry)



Ultima Vector

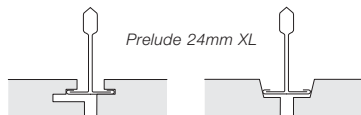


Axal installed on black grid



Optima Vector

Madera Vector joins a Vector family of ceilings that already includes **Ultima Vector**, a smooth, fine textured mineral fibre panel designed for use where high sound absorption and light reflectance are required; **Optima Vector**, a fibreglass panel designed for open plan and other areas where high acoustical performance is required; and **Orcal Axal**, a metal panel designed for high visibility spaces where the durability and look of metal are required.



Madera range (MicroLook & SL2)

Madera is also available as MicroLook and SL2 edge details. Custom veneers are available on request. Please contact us for further information.

Technical data

Size	600 x 600 x 12 mm / 13mm	
Sound absorption	Perforation A1 (Ø8):	α_w 0.45(L)
	Perforation A2 (Ø6):	α_w 0.15(L)
	Perforation A8:	α_w 0.30-0.35
	Perforation A10:	α_w 0.35-0.40
	Perforation A11:	α_w 0.40-0.45
	Perforation A12:	α_w 0.45-0.50
	Perforation A13:	α_w 0.45-0.50
Sound attenuation	42 dB (plain)	
Light reflectance	Laminates	
	Curly Maple	74%
	Pear	36%
	Lime Tree	55%
	Wood veneers	
	US Cherry	25%
	Beech	39%
	US Maple	62%
Fire reaction	E/F: M1 (NFP 92-501)	
	I: Classe 1 (D.M. 26/06/84)	
	UK: Class 1 (BS 476)	
Humidity resistance	70% RH	
Thermal conductivity	0.12 W/m ² K	
Weight	Laminates	≈ 10 kg/m ²
	Wood Veneers	≈ 10.5 kg/m ²

Advisory note

All photographic and design elements supplied in this brochure do not necessarily reflect any recommendation by any of the companies named in this brochure as to the proper use or recommended methods of installation of suspended ceilings and are supplied only as informative material.

For technical reasons in printing, differences may appear between colours printed in this brochure and the actual product. The choice of colours should always be made from a sample of the product.

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United Kingdom / Republic of Ireland

Armstrong World Industries Ltd.

Building Products Division

Armstrong House, 38 Market Square,

Uxbridge UB8 1NG

0800 371849 (UK) **FREEPHONE**

1800 409002 (ROI)

Fax: 00 44 (0) 1895 274287

www.armstrong-ceilings.co.uk e-mail: sales-support@armstrong.com

