

Bloomberg Building, Vortex London



Architects: Foster + Partners

Main Contractor: Sir Robert McAlpine

Joinery Contractor: Taylor Made Joinery

Products: Topperfo Micro

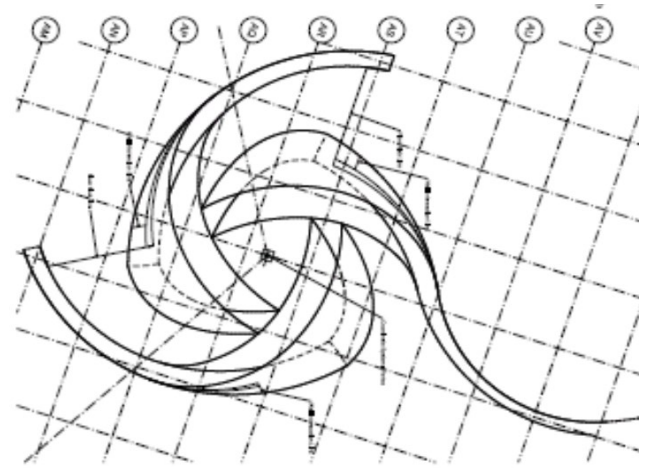
Finish: American Red Oak

Completed: Winter 2017

Photographer:

PROJECT INFORMATION

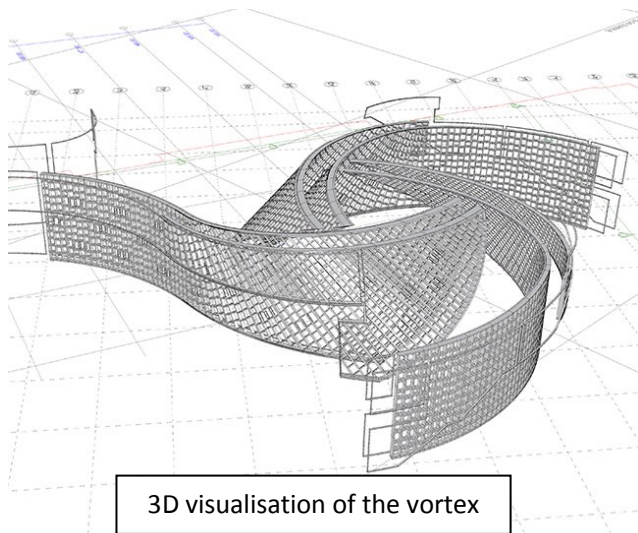
This sublime project was designed by Norman Foster and the team at Foster + Partners in conjunction with Michael Bloomberg. Sir Robert McAlpine were responsible for delivering this project. Located between the Bank of England and St Paul's Cathedral, the new site occupies 3.2 acres and will provide approximately 1.1 million square feet of sustainable office space, three new public spaces – two featuring a specially commissioned artwork – a retail area, Bloomberg Arcade that will reinstate an ancient Roman travel route, and an anticipated cultural hub that will restore the Temple of Mithras to its original site.



Initial concept design for the vortex

Located in the heart of the City of London, the European headquarters is the first wholly owned and designed Bloomberg building in the world. Designed to facilitate collaboration and fuel innovation, it brought Bloomberg's 4,000 London-based employees under one roof for the first time.

Being a specialist joinery contractor, Taylor Made Joinery (TMJ) took responsibility of installing the Topperfo Micro system in American Red Oak; the coordination and workload that went into the project meant that every aspect must be planned to the minutest detail. Every single panel was numbered and categorised when leaving the Topakustik factory in Switzerland. This was coordinated for when TMJ opened up the delivery crates it was a systematic installation. Topperfo micro perforated panels in 3/3/0.5 (aw 0.60, Absorption Class C, NRC 0.81) brings a sound absorbing function which becomes almost completely invisible. The perforation measure 0.5mm so it is virtually invisible from a certain distance. Using the angles of the wall with the acoustic properties of this Topperfo system will lower the sound pressure levels, slow down the reverberation time and help stop those 'annoying noises' quite often found in large atrium-like spaces. Leaving a more relaxed, warm and welcoming space for those fuelling innovation.



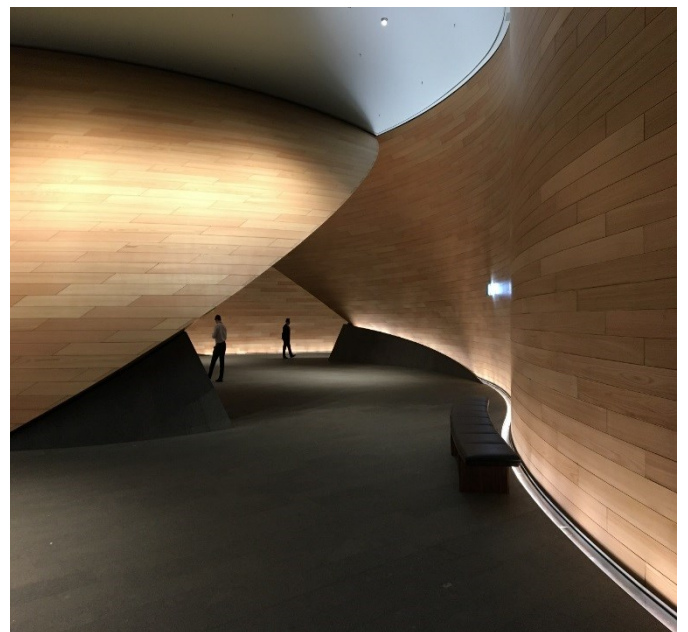
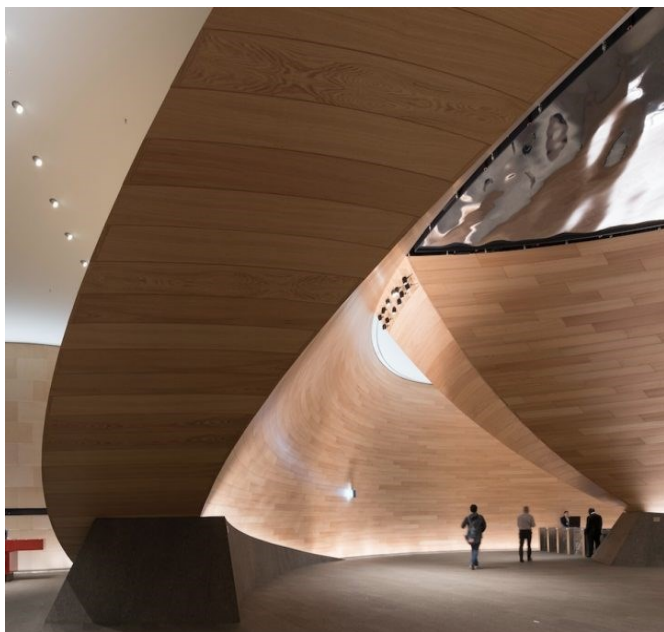
3D visualisation of the vortex

"This building is designed to encourage cooperation and collaboration, and that's what makes for a successful business." - Michael Bloomberg

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PROJECT IMAGES



ACOUSTIC PRODUCT SYSTEM USED

TOPPERFO®-Micro-Panels

With TOPPERFO-Micro, the sound absorption function becomes almost completely invisible. The perforation measures a mere 0.5 mm (or even 0.3 mm), so it is virtually invisible from a certain distance. TOPPERFO micro-perforation is available in various grids and diameters, depending on the required level of sound absorption. The choice of surface coverings is also virtually unrestricted. All veneers and paint colours are available, as well as CPL and HPL surfaces by arrangement.



2/2/0.5

Other Micro-products:

- Micro-Planks 128 mm
- Micro-Graphic
- Micro-Eco Collection
- Micro on your care
- Micro-Cabinet Doors

Ask for more information.

Sound absorption data acc. to ISO 354

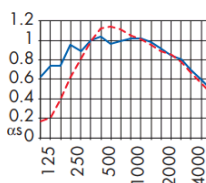
With acoustic fleece and mineral wool: 40 mm (60 kg/m³)

TOTAL THICKNESS

— ca. 226 mm

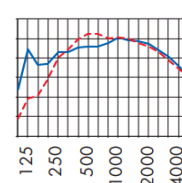
- - - ca. 66 mm

2/2/0.5



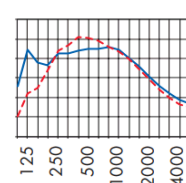
α _w	Euro	NRC
0.80L	B	0.93
0.75 LM	C	0.95

1.8/1.8/0.5



α _w	Euro	NRC
0.90	A	0.93
0.90	A	0.95

3/3/0.5



α _w	Euro	NRC
0.60 LM	C	0.81
0.55 LM	D	0.84

Dimensions and Materials

Core panel	not fire rated D-s2,d0 (DIN B2)			fire retardant B-s2,d0 (DIN B1)			non-flammable*	
	Paint	Wood Veneer	Melamine	Paint	Wood Veneer	Melamine	Paint	Wood Veneer
Surface/ Thickness	16 mm	17 mm	16 mm	16 mm	17 mm	16 mm	16 mm	17 mm
Panels	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3648 × 1216	max. in mm 3080 × 1216	max. in mm 3080 × 1216
	ideal: in mm 2032 × 992	ideal: in mm 2032 × 992	ideal: in mm 2032 × 992/640	ideal: in mm 2032 × 992/640	ideal: in mm 2032 × 992/640	ideal: in mm 2032 × 992/640	ideal: in mm 1540 × 608	ideal: in mm 1540 × 608
	2780 × 992	2780 × 992	2780 × 992/640	2780 × 992/640	2780 × 992/640	2780 × 992/640	2540 × 608	2540 × 608
	3648 × 640	3648 × 640			3640 × 640		3080 × 608	3080 × 608

The micro-perforation is provided in fields with a width of around 150 mm. In sided light, it is possible that the excess length between the individual fields becomes visible on UniEco decors or if a dark colour varnish is used. The grid 1.8/1.8 is therefore not recommended for these surfaces. For a grid of 2/2, we recommend to provide samples.

ideal means optimal use of MDF core – custom lengths are also available
Date 2019 – please check the current dimensions on www.topakustik.com

* Absorption data on request

If you would like further information or have any questions please do not hesitate to get in contact:

Address: 70c High Street, Whitstable, CT5 1BB

Telephone: 01227 281140

Email: enquiries@acoustic-products.co.uk

Website: <https://www.acoustic-products.co.uk/>