

Aviva, St Helen's Tower – Project Swan London



Architects: TTSP

Main Contractor: Mace Interiors

Joinery Contractor: TMJ Interiors

Acoustic Consultant: Aecom

Products: Topakustik 14/2M

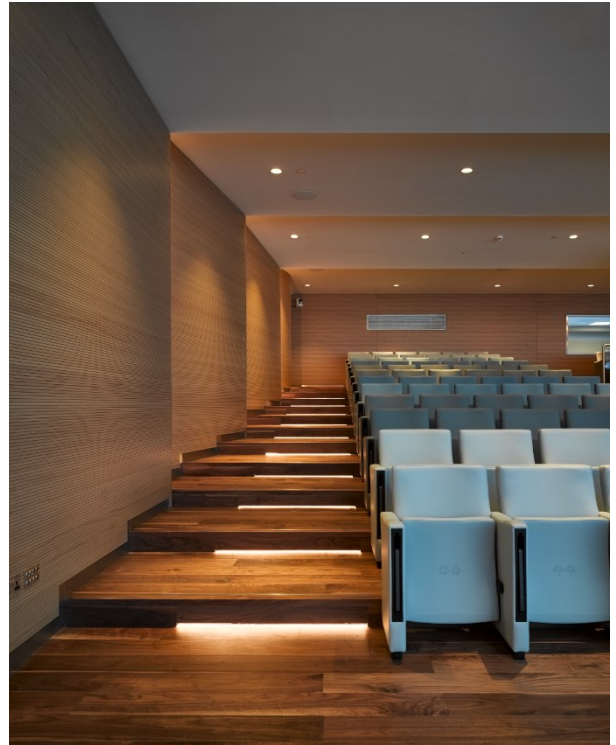
Finish: European Oak Veneer

Completed: Spring 2016

PROJECT INFORMATION

The beautifully transformed St Helen's Tower designed by TTSP created an environment that considered both functionality and comfort for staff and visitors. The design and build project was constructed by COMO (now Mace Interiors) and wonderfully installed by TMJ Interiors.

TTSP specified the Topakustik 14/2M ($\alpha_w - 0.90$, Absorption Class A, $NRC - 0.89$) system in an oak veneer for the huge 300-seat auditorium which sits below a very busy piazza. With Aecom's acoustic expertise the Topakustik system adds to the aesthetics but most importantly utilised for its acoustic performance. To create a great acoustic environment to an auditorium the reverberation and sound pressure levels need to be controlled; too much reverberation and the guests at the back and sides will become confused and not understand the speaker, not enough reverberation and the guests will have trouble qualifying the speech. Topakustik 14/2M creates that great blend of diffusing sound, absorbing the reflective sounds and enhancing the speech intelligibility.



PROJECT IMAGES



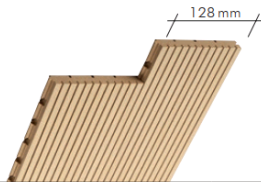
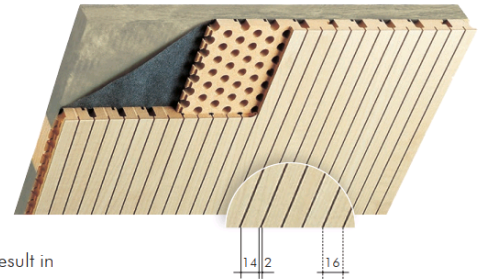
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ACOUSTIC PRODUCT SYSTEM USED

TOPAKUSTIK® Type 14/2 M

The most popular TOPAKUSTIK types. High sound absorption combined with easy assembly. The grooving is visible even from a long distance.



Planks

Thanks to the precise tongue and groove connection, planks result in an attractive surface with a joint-free appearance, because the connecting joint matches the dimension of the grooves. The planks permit simple and flexible assembly. They can be installed by stapling to a timber batten or clamping to a T-bar with TOPAKUSTIK clips.

| not fire rated D-s2,d0 (DIN B2) | | | fire retardant B-s2,d0 (DIN B1) | | | non-flammable | |
|-----------------------------------|--------------------------|-------------------|---------------------------------|--------------------------|-------------------|--------------------------|--------------------------|
| Paint 16 mm | Wood Veneer 17 mm | Melamine 16 mm | Paint 16 mm | Wood Veneer 17 mm | Melamine 16 mm | Paint 16 mm | Wood Veneer 17 mm |
| Standard | | | | | | | |
| 2780 × 128 | 2780 × 128 3640 × 128 | 2780 × 128 | 2780 × 128 | 2780 × 128 3640 × 128 | 2780 × 128 | 2540 × 128 3080 × 128 | 2540 × 128 3080 × 128 |
| 4080 × 128 | | 4080 × 128 | 4080 × 128 | | 4080 × 128 | | |
| custom lengths are also available | | | | | | | |

Sound absorption data acc. to ISO 354

Suspension height 226 and 66 mm
with acoustic fleece and Mineral wool 30 mm (60 kg/m³)



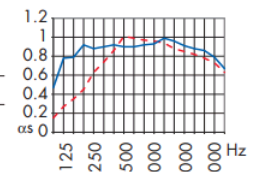
Panels

Panels are used for removable or fixed ceilings and walls with visible joints. Panels can be provided with a number of different edges and are also suited for cabinet fronts and room dividers.

| not fire rated D-s2,d0 (DIN B2) | | | fire retardant B-s2,d0 (DIN B1) | | | non-flammable | |
|---|----------------------|-------------------|---------------------------------|----------------------|-------------------|----------------|----------------------|
| Paint 16 mm | Wood Veneer 17 mm | Melamine 16 mm | Paint 16 mm | Wood Veneer 17 mm | Melamine 16 mm | Paint 16 mm | Wood Veneer 17 mm |
| maximal | | | | | | | |
| 4080 × 1216 | 3640 × 1216 | 4080 × 1216 | 4080 × 1216 | 3640 × 1216 | 4080 × 1216 | 3080 × 1216 | 3080 × 1216 |
| ideal = means optimal use of MDF core – custom lengths are also available | | | | | | | |
| 2040 × 992/640 | 2040 × 992/640 | 2040 × 992/640 | 2040 × 992/640 | 2040 × 992/640 | 2040 × 992/640 | 1540 × 608 | 1540 × 608 |
| 2780 × 992/640 | 2780 × 992/640 | 2780 × 992/640 | 2780 × 992/640 | 2780 × 992/640 | 2780 × 992/640 | 2540 × 608 | 2540 × 608 |
| 3640 × 640 | 3640 × 640 | | | 3640 × 640 | | 3080 × 608 | 3080 × 608 |

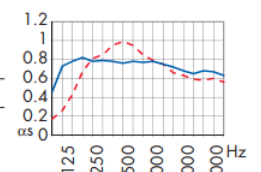
14/2 M-7 %

| α _w | Euro | NRC |
|----------------|------|------|
| 0.90 | A | 0.89 |
| 0.85 | B | 0.86 |



14/2 M-3.5 %

| α _w | Euro | NRC |
|----------------|------|------|
| 0.75 L | C | 0.74 |
| 0.65 UM | C | 0.79 |



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

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