

Forth Valley College Falkirk



Architects:	Reiach & Hall
Main Contractor:	Balfour Beatty
Joinery Contractor:	MMM Joinery & DV McColl
Products:	Topakustik 29/3 Laudescher Linea 2.6.8
Finish:	Valchromat Yellow & Wax Colour Deep White
Completed:	Summer 2019
Photographer:	Images supplied by Faulkner Brown

PROJECT INFORMATION

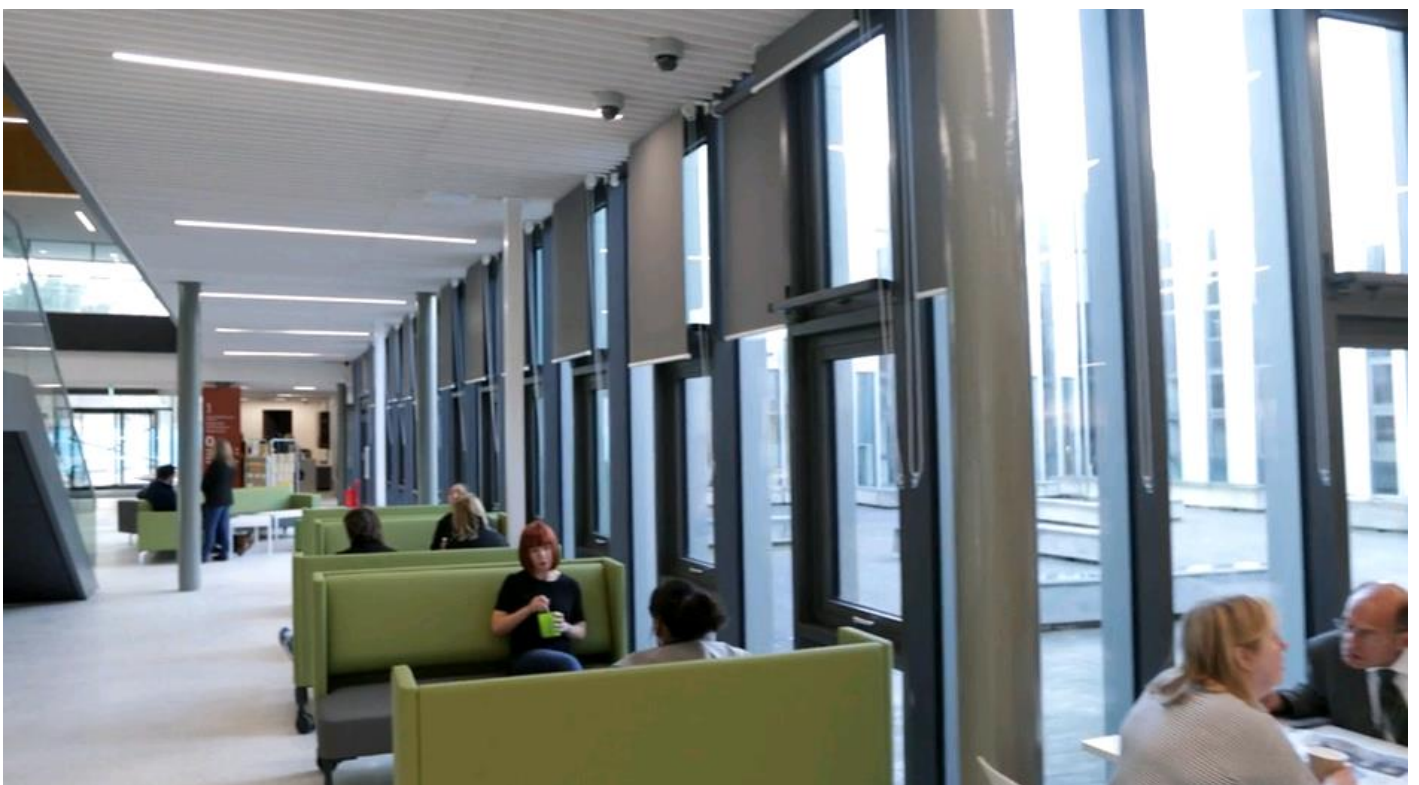
This higher education project was designed by Reiach & Hall and delivered by Balfour Beatty. This Forth Valley College project included teaching spaces, lecture theatres, and catering facilities. MMM Joinery & DV McColl utilised three of acoustic timber systems.

Image top right is our Topakustik 29/3M in valchromat yellow. Image below is our Laudescher Linea 2.6.8 (aw 0.90, Absorbition Class A, NRC 0.90).

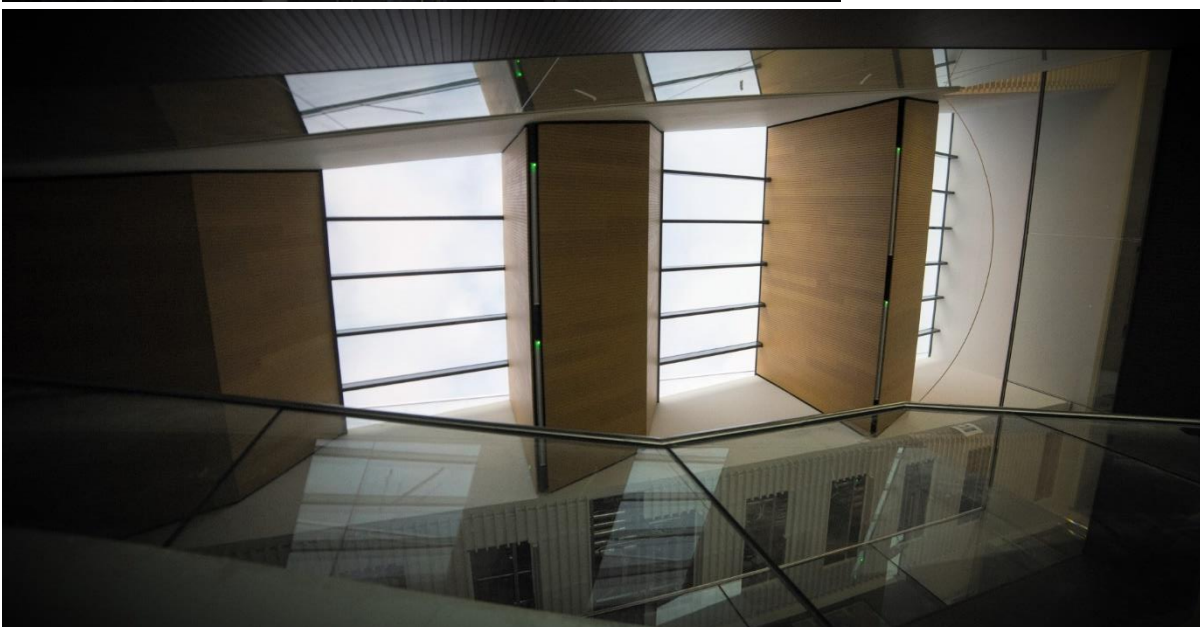
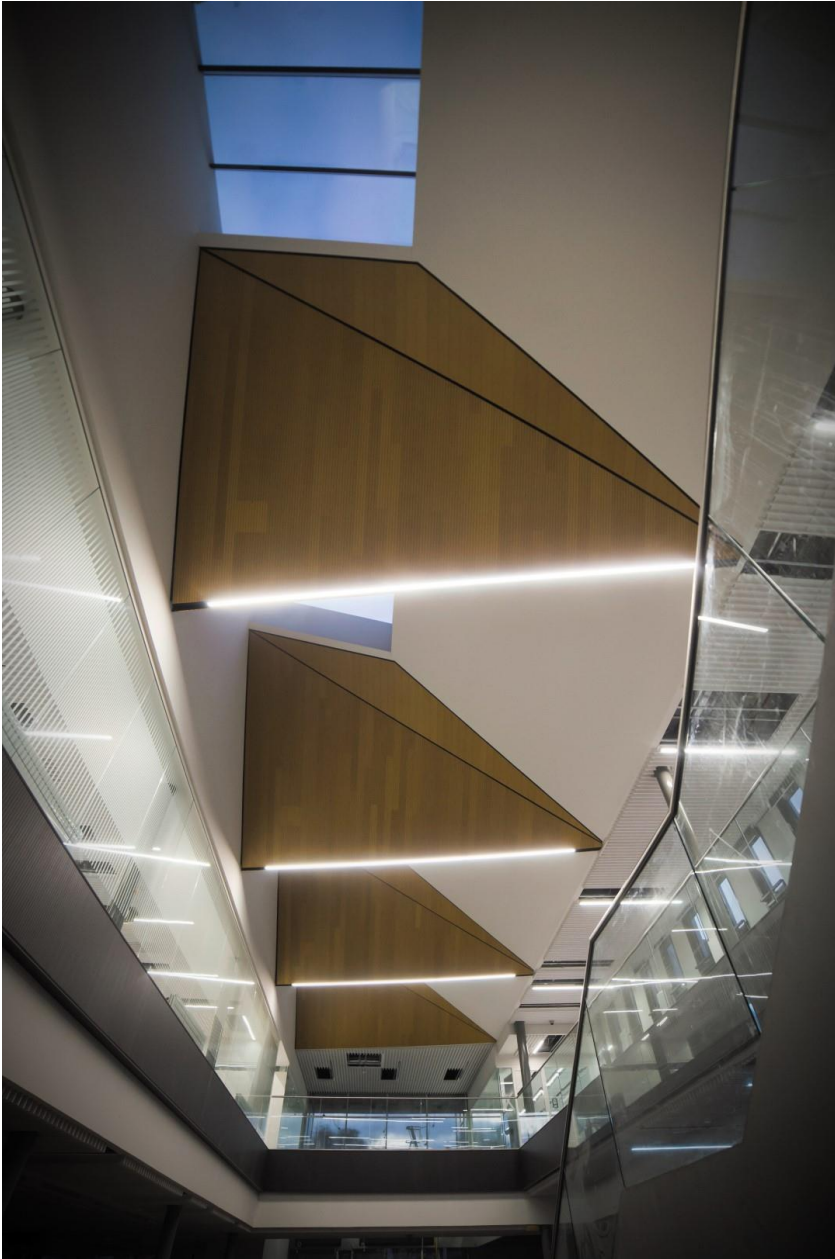


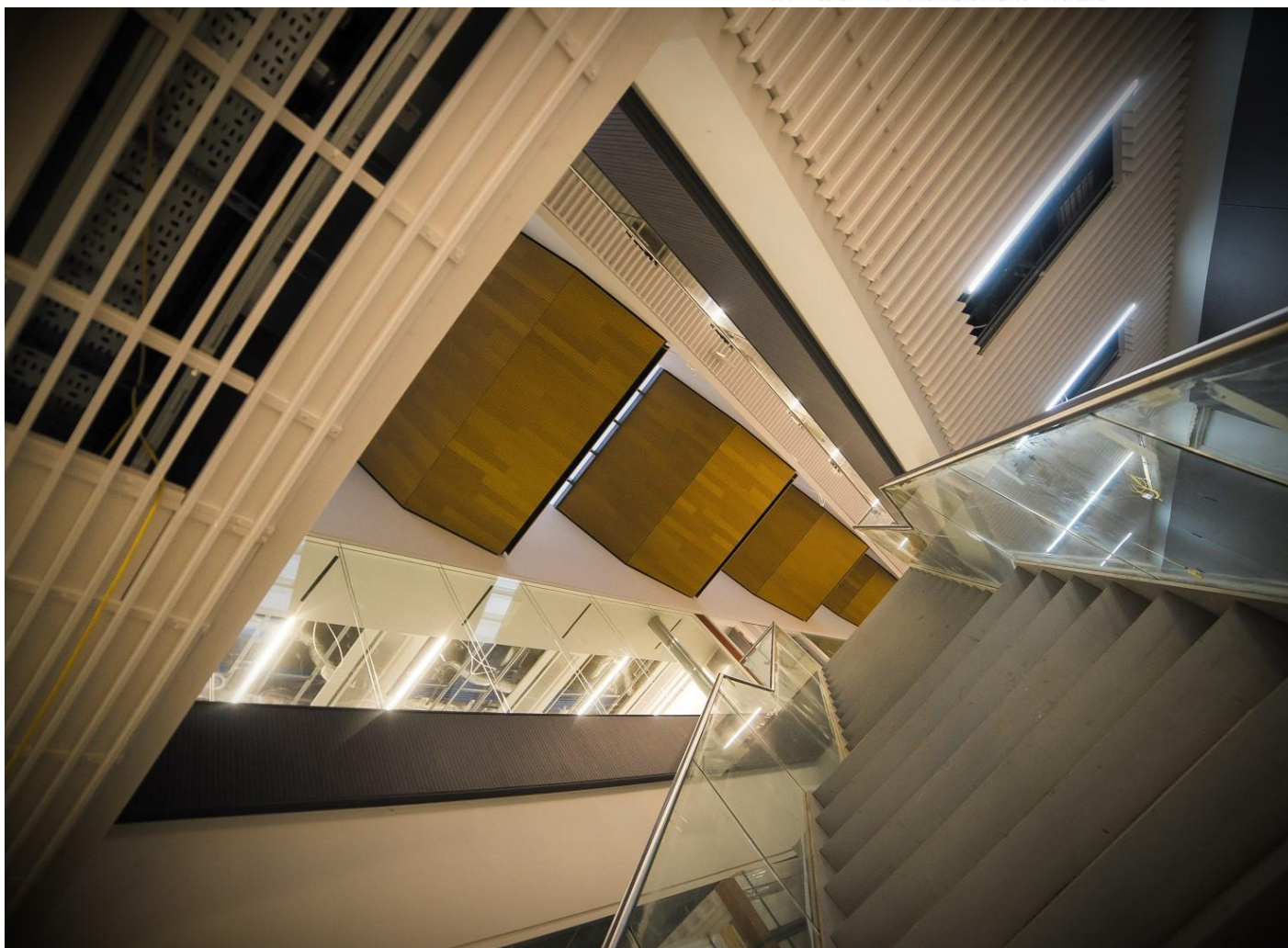
Both systems incorporated to ensure a better learning experience by combating sound propagation, lowering sound reverberation whilst improving sound intelligibility.

PROJECT IMAGES



Forth Valley College
Falkirk





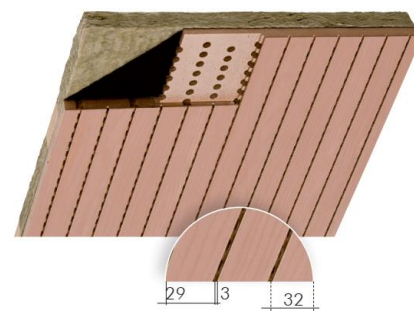
Acoustic Systems used

Topakustik 29/3M with a Coloured Valcromat Core board

TOPAKUSTIK® type 29/3 M - data sheet

TOPAKUSTIK® type 29/3 - the popular type

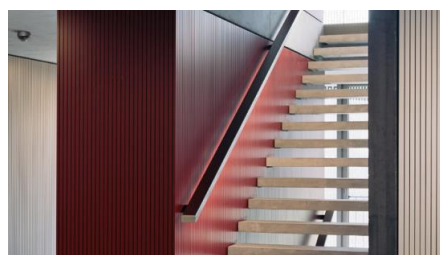
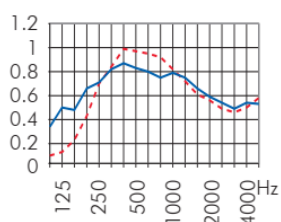
This very popular and frequently used groove type combines beautiful design and good noise absorption. This product is able to achieve a very good effect as a ceiling element also in the low frequency range.



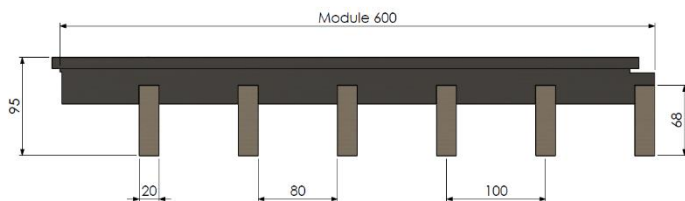
Planks

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.

29/3 M-6%



LINEA 2.6.6 White washed Pine



FINISH / REACTION TO FIRE (AS PER EN 13501-1)

Natural	D-s2,d0 / B-s1,d0 / B-s2,d0
Varnish	D-s2,d0 / B-s1,d0 / B-s2,d0
Wax Color	D-s2,d0 / B-s1,d0 / B-s2,d0
Wax Color + varnish	D-s2,d0 / B-s1,d0 / B-s2,d0

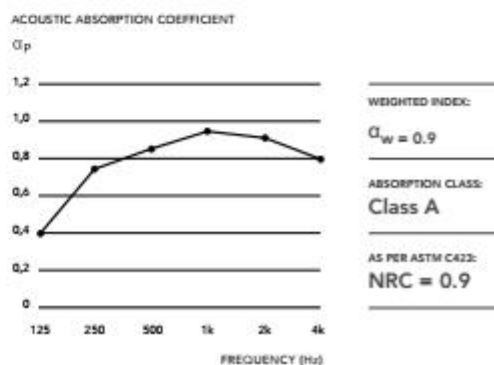
ACOUSTIC RESULTS

Acoustic absorption was measured as per the ISO 354 standard. The various data relating to acoustic absorption (α_p , α_w , absorption class) have been calculated according to ISO 11654 standard (LINEA + acoustic supplement).

TECHNICAL CHARACTERISTICS

Panel dimensions	1880 x 600 mm and 1265 x 600 mm
Cross-section of slats	20 mm (face) x 68 mm (height)
Spacing between slats	65.71 mm
Centre distance of slats	85.71 mm
Black rear counter-slats	34 x 45 mm
Overall thickness	95 mm
Wood species	Pine, Oak, Douglas fir
Surface mass (pine)	13 kg/m ²
Surface mass (oak)	16.7 kg/m ²
Surface mass (douglas fir)	12.9 kg/m ²
Openness percentage	77%

LINEA 2.6.6 CEILING + LR 20mm on E250 mm plenum



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

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