

# Harris Academy New Sutton Secondary School



Architects: Architype  
Main Contractor: Willmott Dixon  
Joinery Contractor: Ash Drywall  
Products: Laudescher Linea – 4.2.4  
Finish: Pine, Natural Finish  
Completed: 2019

## PROJECT INFORMATION

Taking sustainability to new heights, the London Borough of Surrey awarded the largest UK non-residential Passivhaus scheme to Willmott Dixon.

Constructed to Architype's initial specification; Acoustic Products helped bring the design to life co-ordinating our Laudescher Linea 4.2.4 timber slatted system in various atrium, corridor and eating spaces.

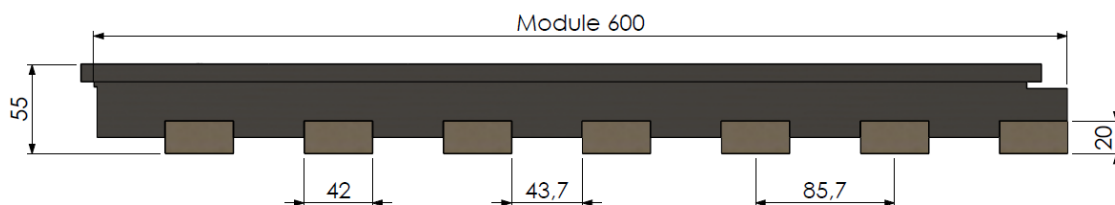
We supplied the Laudescher Linea 4.2.4 in a pine natural finish to Ash Drywall who superbly installed the acoustic product. The Laudescher system was specified due to its beautiful aesthetics but most importantly the acoustic properties. The common areas need to be acoustically treated ensure the students and teachers receive the optimal environment to communicate and learn.



## PROJECT IMAGES



**ACOUSTIC PRODUCT SYSTEM USED**



Product references		42.4	42.1
Slat section	Facing side	42 mm	42 mm
	Thickness	20 mm	20 mm
Spacing between slats		43.71 mm	18 mm
Slat distance		85.71 mm	60 mm
Total thickness		55 mm	55 mm
Average void area		51%	30%
Sound absorption data $\alpha_w^*$ / absorption class		0.75 / B	0,5 / D
Reaction to fire		B-s1,d0 / B-s2,d0	
Installation system		T24 main runner with black capping** D/C edge	

\*Test report, panel with insertion of mineral or stone wool files with black fleece facing

\*\*Moist and/or corrosive environments, cf. grid system manufacturer recommendations

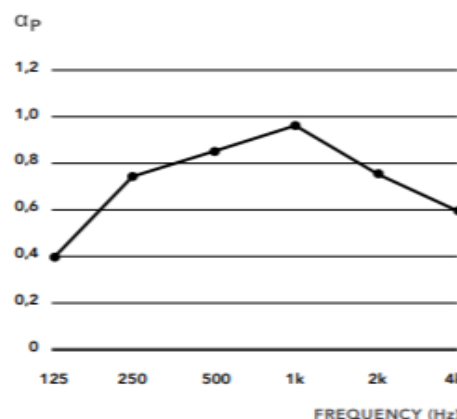
Edging system:



Weight in Kg/m <sup>2</sup>	42.4	42.1
Pine	8.75	11.6
Douglas Fir	8.6	11.5
Oak	11	14.8

**LINEA 4.2.4 CEILING + LR 20mm on E250 mm plenum**

ACOUSTIC ABSORPTION COEFFICIENT



WEIGHTED INDEX:

$\alpha_w = 0.75$

ABSORPTION CLASS:

**Class C**

AS PER ASTM C423:

**NRC = 0.85**

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

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