

Edge Grove School - External Watford



Architects: Lyons + Sleeman + Hoare

Main Contractor: T&B Contractors

Roofing Contractor: IPS Roofing

Products: Laudescher Linea 2.4.3

Finish: Wax

Completed: Spring 2019

Photographer: courtesy of T&B Contractors

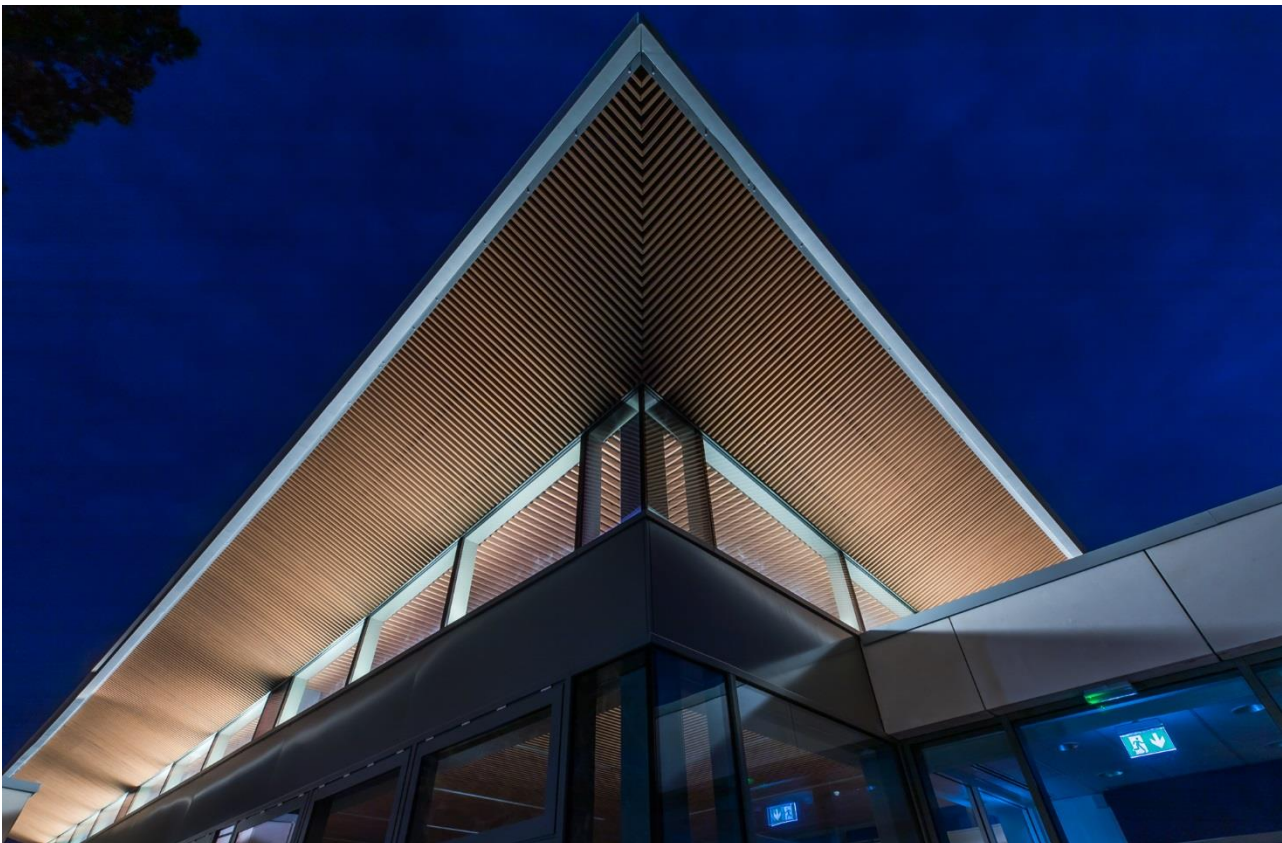
PROJECT INFORMATION

This single storey lower school for Edge Grove School was built by T&B Contractors in conjunction with Lyons + Sleeman + Hoare design. The scheme comprised of six new classrooms, headmasters room, intervention rooms and a Main Activity Room.

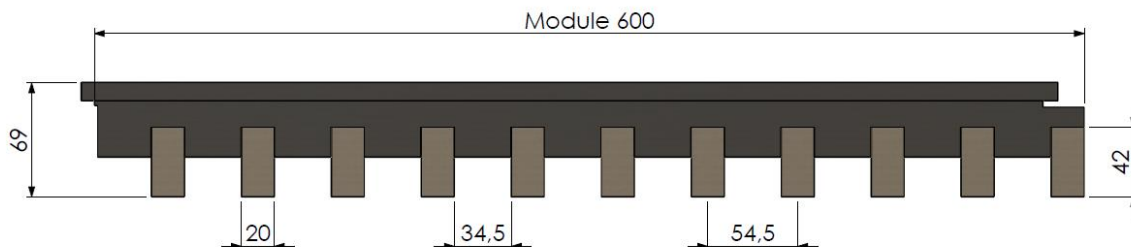
Lyons + Sleeman + Hoare specified our Laudescher Linea (aw 0.85, Absorption Class B, NRC 0.90) 2.4.3 system which was selected as a solution to the external cladding. The Linea 2.4.3 system will not only work as an absorbing surface but also works at diffusing the sound. Along with the great acoustic properties the Linea range also adds to the natural aesthetics.



PROJECT IMAGES



ACOUSTIC PRODUCT SYSTEM USED



Product references		2.4.3	2.4.5	2.4.6
Slot section	Facing side	20 mm	20 mm	20 mm
	Thickness	42 mm	42 mm	42 mm
Spacing between slats		34.54 mm	55 mm	65.71 mm
Slot distance		54.54 mm	75 mm	85.71 mm
Total thickness		69 mm	69 mm	69 mm
Average void area		63%	73%	77%
Sound absorption data α_w^* / absorption class		0.85 / B	0.85 / B	0.85 / B
Reaction to fire		B-s1,d0 / B-s2,d0 / D-s1,d0**		
Installation system		Direct mechanical fixing		

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

** In accordance with the provisions of article AM4 (French regulation) "Vertical walls of unprotected open spaces and buildings" §2, taken from "Fire safety regulations for buildings open to the public"

Edging system:



Weight in Kg/m ²	2.4.3	2.4.5	2.4.6
Pine	12.4	9.5	8.5
Douglas Fir	12.2	9.4	8.45
Oak	15.9	12.05	10.8

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

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