

# PENSION INSURANCE CORPORATION: LAUDESCHER

**Architects:** Perkins&Will  
**Main Contractor:** We Are BW  
**Joinery Contractor:** Howard Brothers  
Joinery  
**Photographer:** Hufton+Crow  
**Products:** Laudescher LINEA 2.6.8  
**Finish:** Oak

## Project Overview

This project is defined by movement and geometry. Curving ceiling planes form a central part of the architectural language, shaping how the space is experienced from the moment you enter.

The challenge was to introduce effective acoustic absorption without interrupting this visual flow. The solution needed to work with the architecture – not sit beneath it – delivering acoustic control while preserving material warmth, rhythm and continuity.



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Laudescher LINEA slatted ceiling panels in oak were specified to achieve this balance, integrating acoustic performance directly into the ceiling design.

## Design Challenge

The architectural intent centred on fluid ceiling forms and a calm, material-led interior. Timber was selected not as a decorative feature, but as a unifying surface capable of softening the space visually while contributing to its performance.

Curved ceiling geometries introduced additional complexity. From an acoustic and detailing perspective, the system needed to accommodate staggered slat terminations, tight tolerances and clean transitions – all while maintaining consistent acoustic behaviour and visual alignment.

## Products Used

LAUDESCHER  
LINEA 2.6.8 slatted ceiling panels  
Finish: Oak

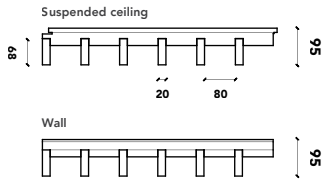
FOR TECHNICAL SUPPORT, SAMPLES  
OR PRODUCT SPECIFICATIONS,  
CONTACT:

 01227 281140

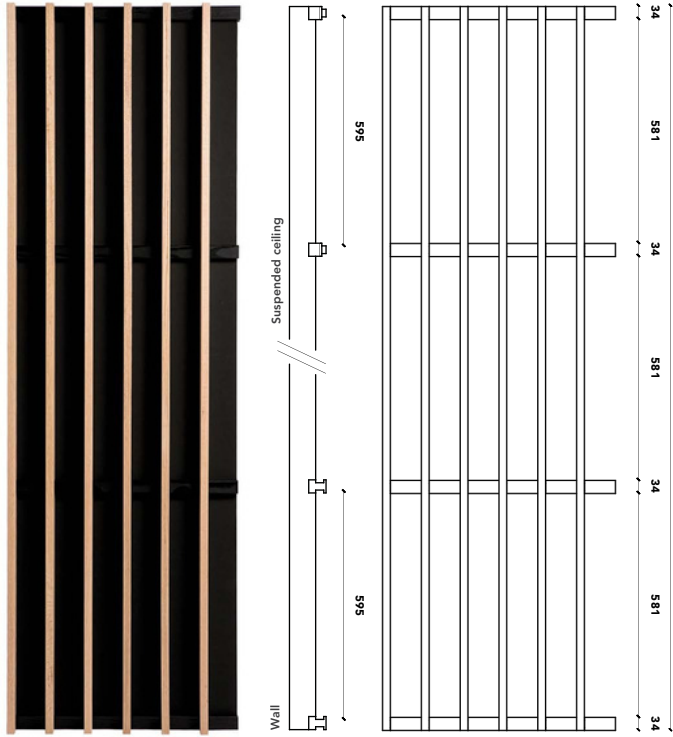
 [enquiries@acoustic-products.co.uk](mailto:enquiries@acoustic-products.co.uk)

# LINEA 2.6.8

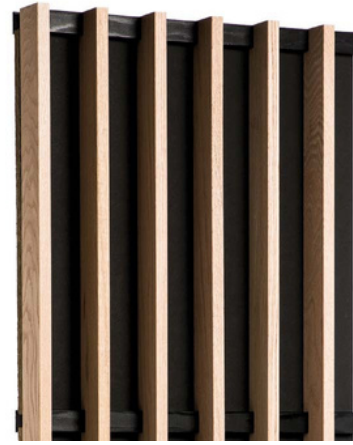
LINEA RANGE  
INTERIOR



Module : 600 mm



LAUDESCHER - LINEA RANGE



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

Reaction to fire possibilities Euroclass B-s1,d0 or B-s2,d0 according to species and finishes.

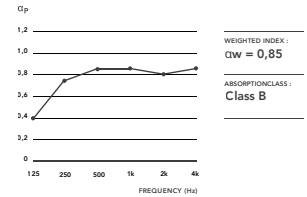
## ACOUSTIC RESULTS

The various data relating to acoustic absorption (α<sub>p</sub>, α<sub>w</sub>, absorption class) have been calculated according to ISO 11654 standard (LINEA + acoustic supplement).

### LINEA 2.6.8 CEILING + LR 20 mm on plenum E250 mm

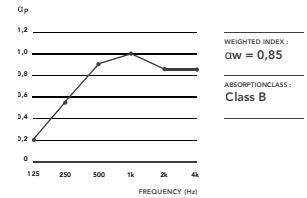
Acoustic absorption was measured as per the ISO 354 standard.

#### ACOUSTIC ABSORPTION COEFFICIENT



### LINEA 2.6.8 WALL + LR 20 mm on plenum E50 mm

#### ACOUSTIC ABSORPTION COEFFICIENT



## TECHNICAL CHARACTERISTICS

Panel dimensions	1 880 x 600 mm et 1 265 x 600 mm
Cross-section of slats	20 mm (face) x 68 mm (height) 80
Spacing between slats	mm 100 mm 34 x 45 mm 95 mm
Centre distance of slats	Pine, oak, douglas fir 11,6 kg/m <sup>2</sup>
Black rear counter-slats	13,8 kg/m <sup>2</sup> 11,3 kg/m <sup>2</sup> 80 %
Overall thickness	
Wood species	
Surface mass (pine)	
Surface mass (oak)	
Surface mass (douglas fir)	
Openness percentage	

Rear surface : acoustic mineral wool tiles 2,4 kg/m<sup>2</sup> surfaced with black fleece facing (format 600 x 600 mm ; 20 or 22 mm thickness)

**Not supplied by Laudescher**

## FITTING SYSTEM

**Suspended ceiling**  
Fitting on T24 grid system  
or by screwing :  
- Selon NF EN 13964  
- Selon DTU 58-1

**Wall cladding**  
Mechanical fixing by screwing:  
- Selon DTU 26-2  
- Selon NF EN 14915

## Acoustic Solution

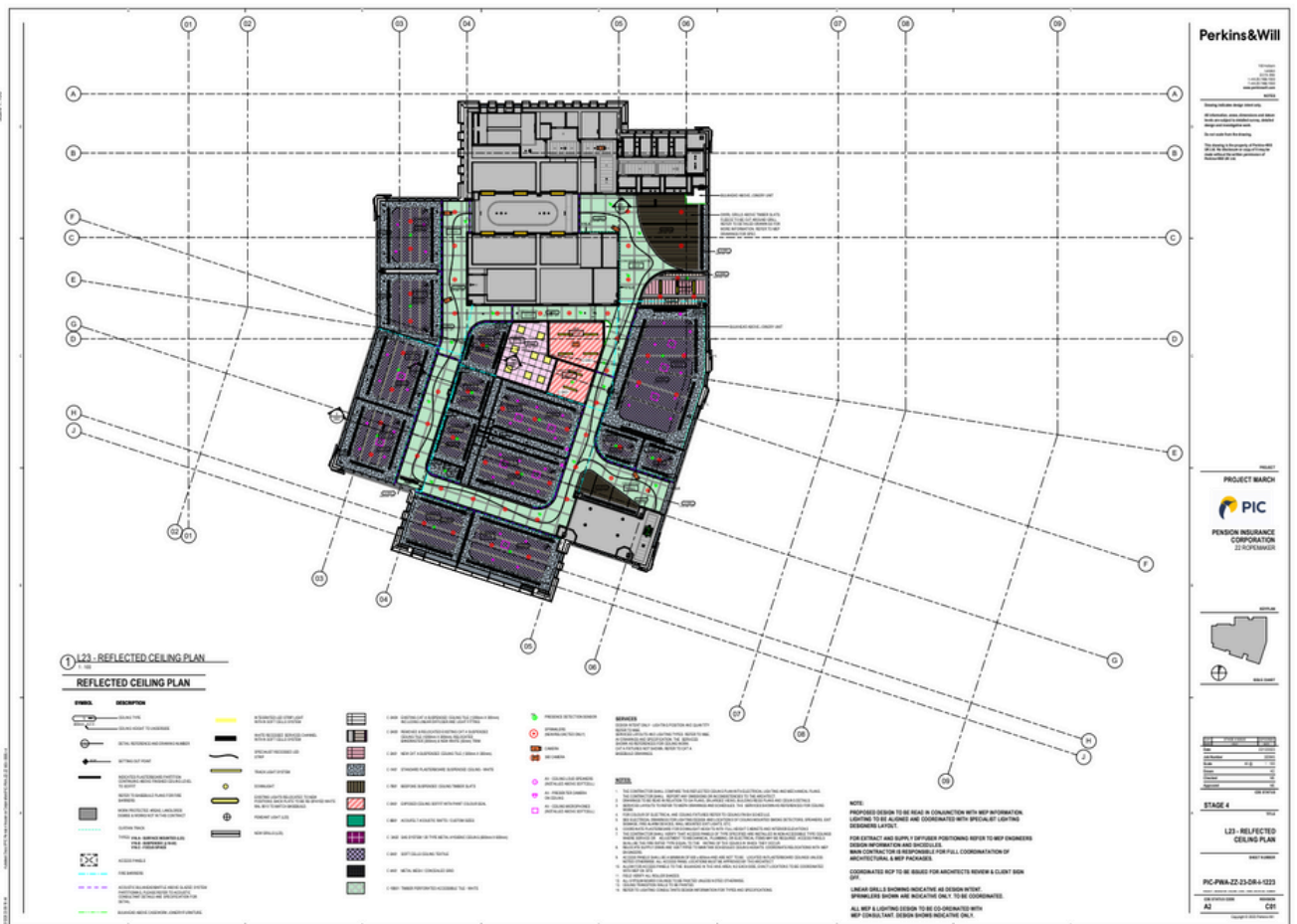
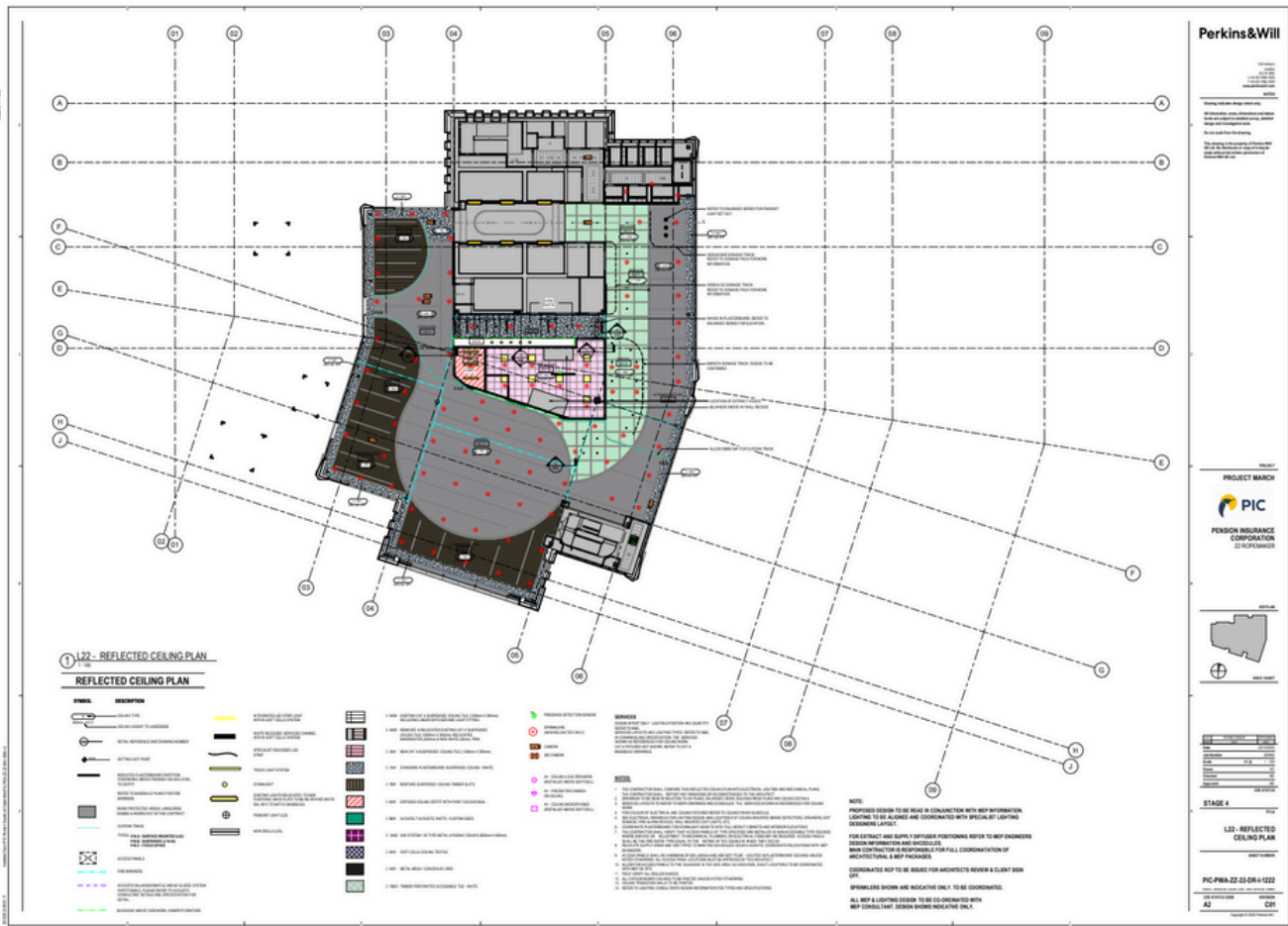
To meet the acoustic and architectural requirements, Laudescher LINEA 2.6.8 panels were specified in combination with Rockfon Colour'All insulation panels.

This build-up delivers effective broadband sound absorption while retaining the linear clarity of the slatted ceiling. The system controls reverberation across the space, reducing unwanted reflections and supporting clear speech without deadening the room.

By balancing absorption with material expression, the ceiling contributes to an acoustic environment that feels controlled, comfortable and appropriate to its use.



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## Material & Finish

Standard LINEA panels were supplied, allowing final adjustments to be carried out on-site. This approach enabled the installation team to respond precisely to the curved ceiling geometry, trimming and adjusting slat ends where curves began and ended.

Rather than forcing rigid alignment, the detailing allows the slats to mirror the ceiling form naturally. The result is a continuous timber surface where rhythm, grain and shadow lines remain consistent – even through complex curves and transitions.

The oak finish introduces warmth and texture, reinforcing the architectural intent while ensuring the acoustic treatment remains visually integrated.

## Technical Notes

- Panels adjusted on-site to suit curved ceiling geometry.
- Integrated services and access panels coordinated within slatted layout.
- System detailed to maintain visual continuity and acoustic performance.

## Project Outcome

The completed space delivers a balanced acoustic environment that supports clarity, comfort and usability without drawing attention to the technical systems behind it.

Sound decays naturally, speech is clear and the room feels calm and controlled. Visually, the timber ceiling adds warmth and movement, enhancing the spatial experience while reinforcing the architectural language.

This project demonstrates how acoustic performance can be embedded within expressive architectural forms – supporting both design intent and user experience through considered detailing and material choice.



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