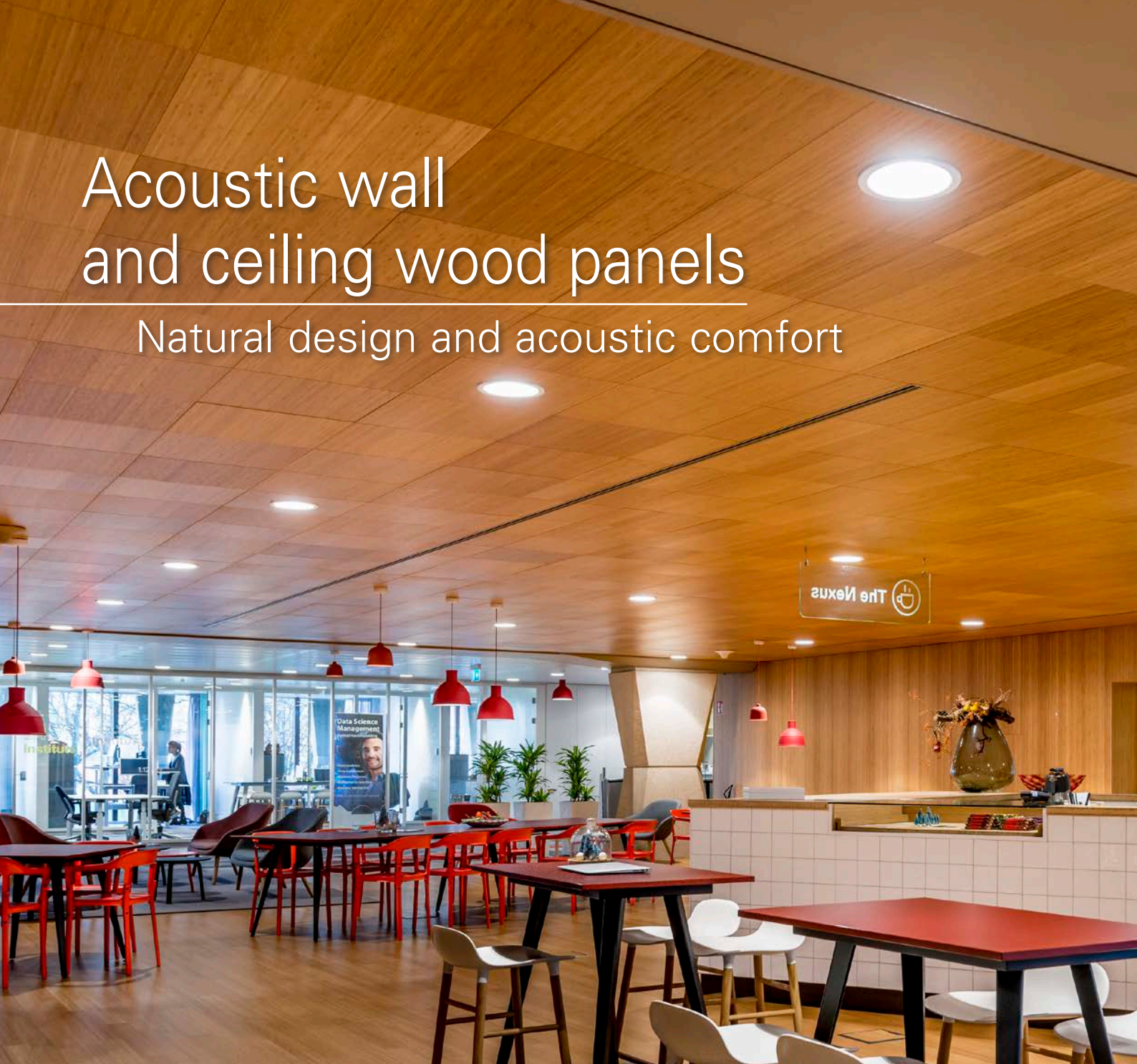


Acoustic  
wall and ceiling  
wood panels



# Acoustic wall and ceiling wood panels

Natural design and acoustic comfort



**Our range of acoustic wall and ceiling wood panels add a discernable finish to any interior space. They meet the highest performance criteria, are highly attractive and are ideal for both new build and refurbishment projects.**

Wall and ceiling panels are constructed using an MDF engineered solid wood core with a decorative wood veneer on the facing side. A range of wood finishes are available and the latest production techniques ensure that around 800 - 1000 sqm of veneer can be produced from 1 cubic metre of wood supplied.

Our wall and ceiling panels are simple to install using special clips that fix onto a T24 grid carrier system. All wood panels meet the latest fire, safety, and emissions criteria ( ) and can be fully recycled at the end of their life.







# Great design freedom

The Hunter Douglas range of wall and ceiling wood panels provide architects with a myriad of design possibilities.

- **Species** - Choose from over 40 different wood veneers
- **Finishes** - Standard panels are provided with a transparent lacquer with special varnishes, staining or paint finishes available to match specific requirements.
- **Dimensions** - Panels can be manufactured in a variety of sizes including 600 x 600 mm up to 2780 x 1200 mm or matched to a specific project.
- **Perforation** - Extensive perforation options for enhanced acoustic performance.

Suitable for both walls and ceilings, panels can be specified as concealed, semi concealed or as a fully visible system.

## Playing with light

A ceiling or wall can play an increasing role in the light levels within a room. Light coloured, plain wood veneers help to reflect and diffuse light, saving energy whilst improving the overall lustre of a room's interior. Darker coloured wood species absorb light, providing a softer feel to a room's interior whilst creating a better sense of security. Modern lighting, climate control, audio and fire safety systems can all be integrated into the wall and ceiling system with specially produced fittings and apertures.

## Acoustics

Controlling the acoustics within a room has a significant effect on an occupant's health and well being. The desired acoustic can be achieved through a combination of plain panels for sound reaction and perforated panels for sound absorption. With perforated panels, the acoustic cloth fitted to the rear of the panel transforms vibrations into heat energy (the acoustic principle) The Nano perforation incorporated into the panel is a standout feature providing an invisible perforation that delivers a very high level of acoustic performance.

## Nano-perforation

The veneered panels can be manufactured with nano perforations. This process involves making countless microscopic perforations (0.5 mm) into the veneer. This process conceals the more extensive perforation of the core material, improves the acoustic performance of the panel without compromising on appearance. In tests the nano perforated panel fitted with an acoustic fleece to the rear were shown to have a sound absorption till  $\alpha_w$ : 0.95, NRC: 0.90 and SAA: 0.90.

Project : Smart Campus, Heerlen,  
the Netherlands  
Product : Lawapan® Ceiling Panels  
Architect : Van Eijk & Van der Lubbe



Promoting sustainable  
forest management  
[www.pefc.org](http://www.pefc.org)



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Ceilings



Sun Louvres



Façades



Belgium  
Bulgaria  
Croatia / Slovenia  
Czech Republic  
Denmark  
France  
Germany  
Greece  
Hungary  
Italy  
The Netherlands  
Norway  
Poland  
Portugal  
Romania  
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