



# COMPwood

## Aluminium lightweight panel

COMPwood are aluminium lightweight panels with real wood veneered surface. They are designed as system-independent, decorative ceiling and wall claddings of natural character.

The product version COMPwood acoustic with a microperforated surface also contributes to effective room acoustic regulation. Thanks to their low weight, high rigidity and minimal deflection, these elements are perfect for large-format and curved applications. The panels are manufactured individually for each project and pre-assembled in the factory.

- stable aluminium sandwich panel
- all timber types possible
- individual design due to diverse joining technology
- low weight per unit area ca. 5.5 kg/m<sup>2</sup>
- grand formats without sagging
- high dimensional stability and flatness

### Examples for areas of application

**Work:** Common Rooms, Facilities for Meetings, Conventions and Conferences, Stage and Studio Rooms, Office Buildings, Data Centres / IT facilities, Broadcasting Rooms, Television Studios, Utility Rooms, Assembly Rooms

**Education:** Libraries, Universities and Higher Education Buildings, Schools, Teaching, Class and Educational Rooms

**Businesses, Recreation and Culture:** Banks, Shopping Centres, Cinemas and Multiplex Theatres, Concert Halls, Theatres and Opera Houses, Museums and Galleries, Stadiums and Arenas, Sales Areas, Places of Assembly

**Healthcare:** Pharmacies (Production), Clinics and Hospitals

**Public Institutions:** Courts and Correctional Facilities, Town Halls, Government and Administrative Buildings

**Industry:** Factories and Production Facilities

**Transport:** Airports

**Public Areas:** Entrance Areas

**Residential building**



### Technical details

#### Technical Details

|                          |  |
|--------------------------|--|
| Climate area             | 10 - 35 °C                             |
| density of the honeycomb | 56 - 59 kg/m <sup>3</sup>              |
| Acoustic design          | Acoustic fleece<br>Microperforation    |
| Carrier panel            | Aluminium honeycomb<br>Aluminium board |
| Edge Design (Panels)     | ABS edge<br>Veneer edge                |



## Dimensions

### Dimensions

|                 |                        |
|-----------------|------------------------|
| Panel thickness | 14 mm                  |
| Panel weight    | 5.50 kg/m <sup>2</sup> |
| Length (L)      | 2,550 mm               |
| Width (B)       | 1,200 mm               |

## Acoustics

### Room Acoustics

|  |            |            |      |
|--|------------|------------|------|
| Sound Absorber Class                   | ISO 11654  |            | B    |
| ASTM C 423                             | ASTM C 423 | NRC        | 0.95 |
| Evaluated Sound Absorption Coefficient | ISO 11654  | $\alpha_w$ | 0.85 |

## Fire protection

### Building Material Class

|   |            |                        |
|---|------------|------------------------|
| Building Material Class                 |            | of the composite panel |
| Building Material Class                 | EN 13501-1 | E                      |
| Designation by the building authorities | DIN 4102 1 | normal combustible     |

## Surfaces

### Surfaces

|              |                  |
|--------------|------------------|
| Surfaces     | Real wood veneer |
| Perforations | Rg 0,7-4         |

## Sustainability

### Declarations

|                          |  |
|--------------------------|--|
| Product Self-Declaration | A self-declaration in accordance with ISO 14021 is available. This contains extensive environmental information for planning, tenders and building certifications (LEED, DGNB, EU taxonomy). |
|--------------------------|--|

### Data

|                         |                                 |
|-------------------------|---------------------------------|
| Recycled Content        | 75 %   60 %                     |
| Building Material Class | Aluminiumplatte   Aluminiumwabe |

## Combinable Systems

### Combinable Systems



Doors

HRT 68 T0  
HTB 41 T0  
HTB 49 T0  
HTB 68 T0  
HTB 99 T0

## Applications

