



## 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**



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## 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).
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### Key figures

Recycled content	75 %   60 %
Building material class	Aluminiumplatine   Aluminiumwabe

### Evidence

Green Level Certificate	High 
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**Circularity:** Majority of components can be reused/  
refurbished

**Life Cycle Assessment:** Life Cycle Assessment  
according to DIN 14067 (Product Carbon  
Footprint) on request

**Cradle to Cradle Certified®:** no C2C Certified® label  
available

## Combinable Systems

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Doors

T0-1 Typ A  
T0-1 Typ C  
T0-1 Typ D

## Applications

