



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/m²
- 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 ³
Acoustic design	Acoustic fleece Microperforation
Carrier panel	Aluminium honeycomb Aluminium board
Edge design (panels)	ABS edge Veneer edge



Dimensions

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Panel thickness	14 mm
Panel weight	5.50 kg/m ²
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	α_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

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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	Aluminiumplatte Aluminiumwabe

Evidence

Green Level Certificate

High 



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

Combinable Systems

Doors

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

Applications

