



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

Areas of application

Work: Common Rooms, Facilities for Meetings, Conventions and Conferences, Stage and Studio Rooms, Office buildings, Data Centres, Broadcasting Rooms, Television Studios, Utility Rooms, Assembly Rooms

Education: Library Rooms, School of Higher Education, Schools, Teaching, Class and Educational Rooms

Businesses, Recreation and Culture: Banks, Shopping Centres, Cinemas and Theatres, Concert Halls, Museums, Stadiums, Sales Areas, Places of Assembly

Healthcare: Pharmacies (Production), Clinics and Hospitals

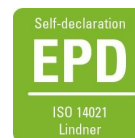
Public Institutions: Court Houses, Government Buildings

Industry: Production Facilities

Transport: Airports

Public Areas: Entrance Areas

Residential



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

Panel thickness	14 mm
Panel weight	5.50 kg/m ²
Length	2,550 mm
Width	1,200 mm

Acoustics

Room acoustics

DIN EN ISO 11654	DIN EN ISO 11654	C
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Building acoustics

product.DIN_EN_ISO_354_aw_bis.name	product.DIN_EN_ISO_354_4_aw_bis.unit	α_w	0.75 dB
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Fire protection

Building material class

Fire protection		of the composite panel
Fire behavior	DIN 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	Self-Declaration according to ISO 14021
Sustainable forestry	Our products can be supplied FSC-certified (Chain of custody) and meet all necessary requirements.

Key figures

Recycled content	75 % 60 %
Fire protection	Aluminiumplatine Aluminiumwabe



Evidence

Green Level Certificate

Basic   

Circularity: All components must be reprocessed

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

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