CEWOOD
WOOD WOOL PANELS

BUILDING FOR COMFORT AND HEALTH

CEWOOD PANEL – 35 mm

Fire safety class: B **Fastening: Screws**

CEWOOD Panels are made from high-quality wood wool and cement, offering the widest variety of design solutions by combining fire resistance with good acoustic and thermal properties. These panels are ideal for both wall and ceiling finishes in public and residential buildings, providing versatile design solutions with a natural and warm atmosphere. Available in a variety of colors to match different aesthetics.

Technical specifications

Panel thickness:	35 mm
Wood wool width:	1 mm; 1.5 mm; 3 mm
Size:	600x600 mm; 1200x600 mm; 2400x600 mm
Installation:	Designed for screw mounting, easy to install with screw fixation
Dimensional tolerance (EN 13168):	Acceptable variations in nominal dimensions: L4, W2, T2 ±1 mm, for nominal length >1250 mm L4 ±2 mm. Squareness S2 ≤ 2 mm. Flatness P2 ≤ 3 mm.
Fire safety class:	B-s1, d0
Weight:	14.5 kg/m²
Density:	410 kg/m³
Thermal resistance (Ro):	0.50 m²·K/W
Bend (EN 12089):	≥1000 kPa

Profile

P0 – panel without chamfer

P5 – panel with 5 mm chamfer

P8 – panel with 8 mm chamfer

P5H – clip-fastened hidden ceiling profile, 5 mm chamfer

Colours

Natural
LRV 49%*

Natural painted (RAL 1015)
LRV 59%*

Black painted (RAL 9005)
LRV 3%*

Grey painted (RAL 7004)
LRV 22%*

Stone Grey (RAL 7035)

Cloud Grey (RAL 7047)

White painted (RAL 9003)
LRV 75%*

Colour from RAL or NCS catalogue upon request

* When selecting CEWOOD Panel colour, it's important to consider the Light Reflectance Values (LRV). LRV is measured on a scale that ranges from zero (absolute black, absorbing all light) to 100 percent (pure white, reflecting all light).

Sound absorption

Panel thickness, mm	Mineral wool thickness, mm	Mineral wool density, kg/m³	Air gap width, mm	Total construction height, mm	Sound absorption class	α_w	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
35	40	~70	0	75	**A**	**1,00**	0,25	0,80	1,00	1,00	0,95	1,00
35	20	~70	100	155	**A**	**1,00**	0,35	0,80	1,00	1,00	0,90	1.00
35	0	0	165	200	**D**	**0,55**	0,25	0,45	0,55	0,45	0,65	0,80
35	0	0	0	35	**D**	**0,50**	0,15	0,25	0,45	0,80	0,90	0,85

Smouldering resistance

The panels demonstrate no propensity for sustained smouldering combustion in accordance with EN 16733, smouldering according to EN 167331.

Humidity resistance

Class D, relative humidity 95% and 40°C, according to EN 13964:2014.

Ball resistance

System meets Impact Resistance Class 1A, ensuring durability and safety at impact speeds of up to 16.5 m/s. However, for proper performance, the required spacing must be reduced to a maximum of 300 mm, with the panels mounted onto the profiles.

Termites/rodent resistance

According to the EN 117 test method, the material demonstrates high resistance to European subterranean termites. Testing confirmed that termites could not damage or compromise the material, ensuring its durability. Furthermore, the material's composition and structure provide excellent protection against rodents, contributing to its long-lasting performance and reliability.

Guidelines

Storage Conditions: Store in a dry, ventilated space; avoid direct contact with the ground. Protect from moisture and dust.

Acclimatization: Allow 1–2 weeks for panels to adjust to ambient conditions before installation. Best results are achieved with layers separated by battens.

Temperature & Humidity: Panels maintain properties at +23°C (±2°C) and 50% (±5%) relative humidity. Avoid direct heat exposure.

Handling: Store horizontally on stable support (pallets/platforms). Remove packaging indoors to prevent condensation buildup.

Installation Timing: Install only after construction is complete and before heating is turned on.

Cleanability

Vacuum with a soft nozzle once after installation, then clean with a brush or vacuum as needed.

More information

Visit www.cewood.com/downloads-eng to access detailed certifications and test reports.

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CEWOOD A2 PANEL – 35 mm

Fire safety class: A2 **Fastening: Screws**

CEWOOD Panels are made from high-quality wood wool and cement, offering the widest variety of design solutions by combining fire resistance with good acoustic and thermal properties. These panels are ideal for both wall and ceiling finishes in public and residential buildings, providing versatile design solutions with a natural and warm atmosphere. Available in a variety of colors to match different aesthetics.

Technical specifications

Panel thickness:	35 mm
Wood wool width:	1 mm
Size:	600x600 mm; 1200x600 mm; 2400x600 mm
Installation:	Designed for screw mounting, easy to install with screw fixation
Dimensional tolerance (EN 13168):	Acceptable variations in nominal dimensions: L4, W2, T2 ±1 mm, for nominal length >1250 mm L4 ±2 mm. Squareness S2 ≤ 2 mm. Flatness P2 ≤ 3 mm.
Fire safety class:	A2-s1, d0
Weight:	20.5 kg/m²
Density:	585kg/m³
Thermal resistance (Ro):	N/A
Bend (EN 12089):	≥1000 kPa

Profile

P0 – panel without chamfer

P5 – panel with 5 mm chamfer

P8 – panel with 8 mm chamfer

P5H – clip-fastened hidden ceiling profile, 5 mm chamfer

Colours

Natural
LRV 49%*

Natural painted (RAL 1015)
LRV 59%*

Black painted (RAL 9005)
LRV 3%*

Grey painted (RAL 7004)
LRV 22%*

Stone Grey (RAL 7035)

Cloud Grey (RAL 7047)

White painted (RAL 9003)
LRV 75%*

Colour from RAL or NCS catalogue upon request

* When selecting CEWOOD Panel colour, it's important to consider the Light Reflectance Values (LRV). LRV is measured on a scale that ranges from zero (absolute black, absorbing all light) to 100 percent (pure white, reflecting all light).

Sound absorption

Panel thickness, mm	Mineral wool thickness, mm	Mineral wool density, kg/m³	Air gap width, mm	Total construction height, mm	Sound absorption class	α_w	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
35	40	~70	0	75	**A**	**1,00**	0,25	0,80	1,00	1,00	0,95	1,00
35	20	~70	100	155	**A**	**1,00**	0,35	0,80	1,00	1,00	0,90	1.00
35	0	0	165	200	**D**	**0,55**	0,25	0,45	0,55	0,45	0,65	0,80
35	0	0	0	35	**D**	**0,45**	0,10	0,20	0,40	0,70	0,80	0,85

Smouldering resistance

The panels demonstrate no propensity for sustained smouldering combustion in accordance with EN 16733, smouldering according to EN 167331.

Humidity resistance

Class D, relative humidity 95% and 40°C, according to EN 13964:2014.

Ball resistance

System meets Impact Resistance Class 1A, ensuring durability and safety at impact speeds of up to 16.5 m/s. However, for proper performance, the required spacing must be reduced to a maximum of 300 mm, with the panels mounted onto the profiles.

Termites/rodent resistance

According to the EN 117 test method, the material demonstrates high resistance to European subterranean termites. Testing confirmed that termites could not damage or compromise the material, ensuring its durability. Furthermore, the material's composition and structure provide excellent protection against rodents, contributing to its long-lasting performance and reliability.

Guidelines

Storage Conditions: Store in a dry, ventilated space; avoid direct contact with the ground. Protect from moisture and dust.

Acclimatization: Allow 1–2 weeks for panels to adjust to ambient conditions before installation. Best results are achieved with layers separated by battens.

Temperature & Humidity: Panels maintain properties at +23°C (±2°C) and 50% (±5%) relative humidity. Avoid direct heat exposure.

Handling: Store horizontally on stable support (pallets/platforms). Remove packaging indoors to prevent condensation buildup.

Installation Timing: Install only after construction is complete and before heating is turned on.

Cleanability

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CEWOOD A2 PANEL – 35 mm

Fire safety class: A2 **Fastening: T24 Profile**

CEWOOD Panels are made from high-quality wood wool and cement, offering the widest variety of design solutions by combining fire resistance with good acoustic and thermal properties. These panels are ideal for both wall and ceiling finishes in public and residential buildings, providing versatile design solutions with a natural and warm atmosphere. Available in a variety of colors to match different aesthetics.

Technical specifications

Panel thickness:	35 mm
Wood wool width:	1 mm
Size:	595x595 mm; 1195x595 mm
Installation:	Designed for T24 suspended ceiling system, easy to install in a standard grid
Dimensional tolerance (EN 13168):	Acceptable variations in nominal dimensions: L4, W2, T2 ±1 mm. Squareness S2 ≤ 2 mm. Flatness P2 ≤ 3 mm.
Fire safety class:	A2-s1, d0
Weight:	20.5 kg/m^2
Density:	585 kg/m^3
Thermal resistance (Ro):	N/A
Bend (EN 12089):	≥1000 kPa

Profile

P0-T24 - Standard T24 ceiling profile

P0G-T24 - Immersed T24 ceiling profile

P5G-T24 - Immersed T24 ceiling profile with 5 mm chamfer

P5S - Hidden suspended ceiling profile with overhang and 5 mm chamfer

Colours

Natural
LRV 49%*

Natural painted (RAL 1015)
LRV 59%*

Black painted (RAL 9005)
LRV 3%*

Grey painted (RAL 7004)
LRV 22%*

Stone Grey (RAL 7035)

Cloud Grey (RAL 7047)

White painted (RAL 9003)
LRV 75%*

Colour from RAL or NCS catalogue upon request

* When selecting CEWOOD Panel colour, it's important to consider the Light Reflectance Values (LRV). LRV is measured on a scale that ranges from zero (absolute black, absorbing all light) to 100 percent (pure white, reflecting all light).

Sound absorption

Panel thickness, mm	Mineral wool thickness, mm	Mineral wool density, kg/m^3	Air gap width, mm	Total construction height, mm	Sound absorption class	α_w	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
35	20	~70	100	155	**A**	**1,00**	0,35	0,80	1,00	1,00	0,90	1,00
35	20	~70	145	200	**A**	**1,00**	0,40	0,80	1,00	1,00	0,90	1.00
35	0	0	100	135	**D**	**0,55**	0,15	0,35	0,65	0,50	0,60	0,85
35	0	0	165	200	**D**	**0,55**	0,20	0,50	0,60	0,45	0,65	0,85

Smouldering resistance

The panels demonstrate no propensity for sustained smouldering combustion in accordance with EN 16733, smouldering according to EN 167331.

Humidity resistance

Class D, relative humidity 95% and 40°C, according to EN 13964:2014.

Installation of suspended devices

For 35 mm panels, the maximum device weight is 6 kg. Opening sizes must not exceed Ø300 mm for round or 275 mm for square cutouts. When fastening devices to the panels, use appropriate fasteners: self-drilling dowels with Ø4.5 mm wood screws (load-bearing capacity approx. 4.0 kg).

Termites/rodent resistance

According to the EN 117 test method, the material demonstrates high resistance to European subterranean termites. Testing confirmed that termites could not damage or compromise the material, ensuring its durability. Furthermore, the material's composition and structure provide excellent protection against rodents, contributing to its long-lasting performance and reliability.

Guidelines

Storage Conditions: Store in a dry, ventilated space; avoid direct contact with the ground. Protect from moisture and dust.

Acclimatization: Allow 1–2 weeks for panels to adjust to ambient conditions before installation. Best results are achieved with layers separated by battens.

Temperature & Humidity: Panels maintain properties at +23°C (±2°C) and 50% (±5%) relative humidity. Avoid direct heat exposure.

Handling: Store horizontally on stable support (pallets/platforms). Remove packaging indoors to prevent condensation buildup.

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CEWOOD PANEL – 35 mm

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Technical specifications

Panel thickness:	35 mm
Wood wool width:	1 mm; 1.5 mm; 3 mm
Size:	595x595 mm; 1195x595 mm
Installation:	Designed for T24 suspended ceiling system, easy to install in a standard grid
Dimensional tolerance (EN 13168):	Acceptable variations in nominal dimensions: L4, W2, T2 ±1 mm. Squareness S2 ≤ 2 mm. Flatness P2 ≤ 3 mm.
Fire safety class:	B-s1, d0
Weight:	14.5 kg/m^2
Density:	410 kg/m^3
Thermal resistance (Ro):	0.50 m^2·K/W
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Profile

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35	0	0	200	235	**C**	**0,65**	0,30	0,50	0,60	0,60	0,75	0,90
35	0	0	165	200	**D**	**0,55**	0,25	0,45	0,55	0,45	0,65	0,80

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