

**CEWOOD PANEL – 25 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:	25 mm
Wood wool width:	0.5 mm; 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 $\pm 1$ mm, for nominal length $>1250$ mm L4 $\pm 2$ mm. Squareness S2 $\leq 2$ mm. Flatness P2 $\leq 3$ mm.
Fire safety class:	B-s1, d0
Weight:	10.5 kg/m <sup>2</sup>
Density:	420 kg/m <sup>3</sup>
Thermal resistance (Ro):	0.35 m <sup>2</sup> ·K/W
Bend (EN 12089):	$\geq 1300$ 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/m <sup>3</sup>	Air gap width, mm	Total construction height, mm	Sound absorption class	$\alpha_w$	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25	20	~70	155	200	<b>A</b>	<b>1,00</b>	0,45	0,80	1,00	1,00	0,95	1,00
25	40	~70	0	65	<b>A</b>	<b>1,00</b>	0,25	0,75	1,00	1,00	0,95	1,00
25	0	0	175	200	<b>C</b>	<b>0,60</b>	0,20	0,45	0,60	0,50	0,60	0,80
25	0	0	25	50	<b>D</b>	<b>0,50</b>	0,10	0,25	0,50	0,75	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.

**Airflow m<sup>3</sup>/h to m<sup>2</sup>**

Pressure drop (PA)	CEWOOD W25S (wood wool 1 mm)	CEWOOD W25F (wood wool 1,5 mm)
0,5	22,4	20,9
1	44,7	40
1,5	66,4	59,9
2	87,5	78,1
2,5	108,1*	95,4*
3	128,4*	112,1*

\*Air flow values at PA 2.5 and 3 are extrapolated.

**Humidity resistance**

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

**Ball resistance**

System meets Impact Resistance Class 2A, ensuring durability and safety at impact speeds of up to 8 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.

**More information**

Visit [www.cewood.com/downloads-eng](http://www.cewood.com/downloads-eng) to access detailed certifications and test reports.

**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 ( $\pm 2^\circ\text{C}$ ) and 50% ( $\pm 5\%$ ) 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.

**CEWOOD A2 PANEL – 25 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:	25 mm
Wood wool width:	1 mm; 1.5 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 $\pm 1$ mm, for nominal length >1250 mm L4 $\pm 2$ mm. Squareness S2 $\leq 2$ mm. Flatness P2 $\leq 3$ mm.
Fire safety class:	A2-s1, d0
Weight:	14,5 kg/m <sup>2</sup>
Density:	580 kg/m <sup>3</sup>
Thermal resistance (Ro):	0.30 m <sup>2</sup> ·K/W
Bend (EN 12089):	$\geq 1300$ 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/m <sup>3</sup>	Air gap width, mm	Total construction height, mm	Sound absorption class	$\alpha_w$	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25	40	~70	85	150	<b>A</b>	<b>1,00</b>	0,45	0,95	1,00	1,00	0,90	1,00
25	40	~70	0	65	<b>A</b>	<b>0,95</b>	0,25	0,80	1,00	0,95	0,85	1,00
25	0	0	100	125	<b>C</b>	<b>0,60</b>	0,15	0,35	0,65	0,60	0,65	0,80
25	0	0	0	25	<b>D</b>	<b>0,35</b>	0,05	0,15	0,30	0,55	0,90	0,75

**Smouldering resistance**

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

**Airflow m<sup>3</sup>/h to m<sup>2</sup>**

Pressure drop (PA)	CEWOOD W25S A2 (wood wool 1 mm)	CEWOOD W25F A2 (wood wool 1.5 mm)
0,5	24,4	19,3
1	47,8	37,6
1,5	70,3	54,8
2	92	71,3
2,5	112,9*	87*
3	133,1*	102*

\*Air flow values at PA 2.5 and 3 are extrapolated.

**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.

**More information**

Visit [www.cewood.com/downloads-eng](http://www.cewood.com/downloads-eng) to access detailed certifications and test reports.

**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 ( $\pm 2^\circ\text{C}$ ) and 50% ( $\pm 5\%$ ) 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.

**CEWOOD PANEL – 25 mm**
**Fire safety class: B 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:	25 mm
Wood wool width:	0.5 mm; 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 $\pm 1$ mm. Squareness S2 $\leq 2$ mm. Flatness P2 $\leq 3$ mm.
Fire safety class:	B-s1, d0
Weight:	10.5 kg/m <sup>2</sup>
Density:	420 kg/m <sup>3</sup>
Thermal resistance (Ro):	0.35 m <sup>2</sup> ·K/W
Bend (EN 12089):	$\geq 1300$ kPa

**Profile**

**P0-T24** - Standard T24 ceiling profile

**P0G-T24** - Immersed T24 ceiling profile

**P5G-T24** - Immersed T24 ceiling profile with 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 <sup>3</sup>	Air gap width, mm	Total construction height, mm	Sound absorption class	$\alpha_w$	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25	20	~70	155	200	<b>A</b>	<b>1,00</b>	0,45	0,80	1,00	1,00	0,95	1,00
25	40	~70	135	200	<b>A</b>	<b>1,00</b>	0,55	0,95	1,00	1,00	0,95	1,00
25	0	0	175	200	<b>C</b>	<b>0,60</b>	0,20	0,45	0,60	0,50	0,60	0,80
25	0	0	100	125	<b>D</b>	<b>0,55</b>	0,15	0,30	0,65	0,55	0,55	0,75

**Smouldering resistance**

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

**Airflow m<sup>3</sup>/h to m<sup>2</sup>**

Pressure drop (PA)	CEWOOD W25S (wood wool 1 mm)	CEWOOD W25F (wood wool 1,5 mm)
0,5	22,4	20,9
1	44,7	40
1,5	66,4	59,9
2	87,5	78,1
2,5	108,1*	95,4*
3	128,4*	112,1*

\*Air flow values at PA 2.5 and 3 are extrapolated.

**Humidity resistance**

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

**Installation of suspended devices**

For 25 mm panels, the maximum device weight is 3.5 kg. Opening sizes must not exceed Ø200 mm for round or 175 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. 3.0 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.

**More information**

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**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 ( $\pm 2^\circ\text{C}$ ) and 50% ( $\pm 5\%$ ) 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.

**CEWOOD A2 PANEL – 25 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:	25 mm
Wood wool width:	1 mm; 1.5 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:	14.5 kg/m <sup>2</sup>
Density:	580 kg/m <sup>3</sup>
Thermal resistance (Ro):	0.25 m <sup>2</sup> ·K/W
Bend (EN 12089):	≥1300 kPa

**Profile**

**P0-T24** - Standard T24 ceiling profile

**P0G-T24** - Immersed T24 ceiling profile

**P5G-T24** - Immersed T24 ceiling profile with 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 <sup>3</sup>	Air gap width, mm	Total construction height, mm	Sound absorption class	α <sub>w</sub>	Frequency					
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25	40	~70	85	150	<b>A</b>	<b>1,00</b>	0,45	0,95	1,00	1,00	0,90	1,00
25	20	~70	155	200	<b>A</b>	<b>1,00</b>	0,45	0,80	1,00	1,00	0,90	0,95
25	20	~70	100	145	<b>A</b>	<b>0,95</b>	0,35	0,75	1,00	1,00	0,90	0,95
25	0	0	175	200	<b>D</b>	<b>0,50</b>	0,20	0,40	0,50	0,40	0,50	0,70

**Smouldering resistance**

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

**Airflow m<sup>3</sup>/h to m<sup>2</sup>**

Pressure drop (PA)	CEWOOD W25S (wood wool 1 mm)	CEWOOD W25F (wood wool 1,5 mm)
0,5	24,4	19,3
1	47,8	37,6
1,5	70,3	54,8
2	92	71,3
2,5	112,9*	87*
3	133,1*	102*

\*Air flow values at PA 2.5 and 3 are extrapolated.

**Humidity resistance**

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

**Installation of suspended devices**

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**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.

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**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.