

TECHNICAL SPECIFICATIONS

CEWOOD Acoustic panels are a durable and nature friendly material made of top quality wood wool and cement. By combining fire resistance with good acoustic and heat insulation properties, the product offers the widest variety of design solutions.

Application

Acoustic panels are widely used in public and residential building interior design, it is eco-friendly and harmless for health. Owing to its natural composition and outstanding properties they are widely used in premises with increased acoustic load, where sound insulation and noise absorption are of essence:

- Offices, public spaces and private homes
- Schools, kindergartens, universities
- Sport facilities, swimming pools, spa
- Music halls, theaters, cinemas
- Recording studios, TV and radio stations
- Industrial premises, warehouses, parking lots etc.

CEWOOD Acoustic panels



CEWOOD Acoustic panels - 0.5 mm wood wool

Thickness	mm	25
Size (standard panel)	mm	2400x600; 1200x600; 600x600
Size (for suspended ceilings)	mm	1195x595; 595x595
Dimensional tolerance (EN 13168)		L4; W2; T2; S2; P2
Weight	kg/m ²	10,5
Density	kg/m ³	420

Thermal resistance (R ₀)	m ² ·K/W	0,35
Thermal conductivity (λD)	W/m·K	0,066
Bend (EN 12089)	kPa	≥ 1300
Compression (EN 826)	kPa	≥ 300
Chloride content (EN 13168)	%	≤ 0,06 class Cl3
Reaction to fire (EN 13501-1:2007)		B-s1, d0

TECHNICAL SPECIFICATIONS
CEWOOD Acoustic panels - 1.0 mm wood wool

Thickness	mm	15	25	35	50
Size (standard panel)	mm	2400x600; 1200x600; 600x600			
Size (for suspended ceilings)	mm	1195x595; 595x595			
Dimensional tolerance (EN 13168)		L4; W2; T2; S2; P2			
Weight	kg/m ²	7,0	10,5	14,5	19,5
Density	kg/m ³	470	420	410	390

Thermal resistance (Ro)	m ² ·K/W	0,20	0,35	0,50	0,75
Thermal conductivity (λD)	W/m·K	0,066			
Bend (EN 12089)	kPa	≥ 1700	≥ 1300	≥ 1000	≥ 700
Compression (EN 826)	kPa	≥ 300	≥ 300	≥ 200	≥ 200
Chloride content (EN 13168)	%	≤ 0,06 class Cl3			
Reaction to fire (EN 13501-1:2007)		B-s1, d0			

CEWOOD Acoustic panels - 1.5 mm wood wool

Thickness	mm	15	25	35	50
Size (standard panel)	mm	2400x600; 1200x600; 600x600			
Size (for suspended ceilings)	mm	1195x595; 595x595			
Dimensional tolerance (EN 13168)		L4; W2; T2; S2; P2			
Weight	kg/m ²	7,0	10,5	13,5	18,5
Density	kg/m ³	470	420	380	370

Thermal resistance (Ro)	m ² ·K/W	0,20	0,35	0,50	0,75
Thermal conductivity (λD)	W/m·K	0,066			
Bend (EN 12089)	kPa	≥ 1700	≥ 1300	≥ 1000	≥ 700
Compression (EN 826)	kPa	≥ 300	≥ 300	≥ 200	≥ 200
Chloride content (EN 13168)	%	≤ 0,06 class Cl3			
Reaction to fire (EN 13501-1:2007)		B-s1, d0			

TECHNICAL SPECIFICATIONS
CEWOOD Acoustic panels - 3.0 mm wood wool (produced upon request)

Thickness	mm	25	35	50
Size (standard panel)	mm	2400x600; 1200x600; 600x600		
Size (for suspended ceilings)	mm	1195x595; 595x595		
Dimensional tolerance (EN 13168)		L4; W2; T2; S2; P2		
Weight	kg/m ²	10,5	14,5	19,5
Density	kg/m ³	420	410	390

Thermal resistance (Ro)	m ² ·K/W	0,35	0,50	0,75
Thermal conductivity (λD)	W/m·K	0,066		
Bend (EN 12089)	kPa	≥ 1300	≥ 1000	≥ 700
Compression (EN 826)	kPa	≥ 300	≥ 200	≥ 200
Chloride content (EN 13168)	%	≤ 0,06 class Cl3		
Reaction to fire (EN 13501-1:2007)		B-s1, d0		

CEWOOD A2 Acoustic panels - 1.0 mm wood wool


Thickness	mm	15	25
Size (standard panel)	mm	2400x600; 1200x600; 600x600	
Size (for suspended ceilings)	mm	1195x595; 595x595	
Dimensional tolerance (EN 13168)		L4; W2; T2; S2; P2	
Weight	kg/m ²	12,5	14,5
Density	kg/m ³	830	580

Thermal resistance (Ro)	m ² ·K/W	N/A	0,30
Thermal conductivity (λD)	W/m·K	0,0701	0,074
Bend (EN 12089)	kPa	≥ 1700	≥ 1300
Compression (EN 826)	kPa	≥ 500	≥ 500
Chloride content (EN 13168)	%	≤ 0,06 class Cl3	
Reaction to fire (EN 13501-1:2007)		A2-s1, d0	

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CEWOOD A2 Acoustic panels - 1.5 mm wood wool



Thickness	mm	15	25
Size (standard panel)	mm	2400x600; 1200x600; 600x600	
Size (for suspended ceilings)	mm	1195x595; 595x595	
Dimensional tolerance (EN 13168)		L4; W2; T2; S2; P2	
Weight	kg/m ²	12,5	14,5
Density	kg/m ³	830	580

Thermal resistance (R ₀)	m ² ·K/W	N/A	0,30
Thermal conductivity (λD)	W/m·K	0,0701	0,074
Bend (EN 12089)	kPa	≥ 1700	≥ 1300
Compression (EN 826)	kPa	≥ 500	≥ 500
Chloride content (EN 13168)	%	≤ 0,06 class Cl3	
Reaction to fire (EN 13501-1:2007)		A2-s1, d0	

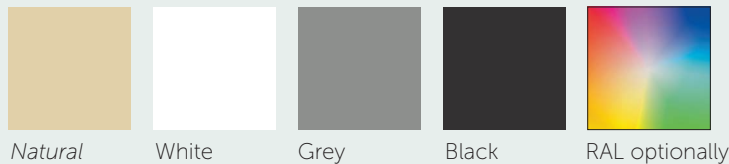
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Acoustics

With different fastening constructions and combinations of different materials with CEWOOD Acoustic panels it is possible to achieve different sound absorption parameters. The extended sound absorption coefficient α_w can reach 0.90.

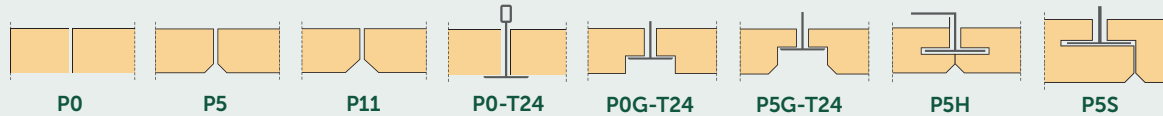
Colours

CEWOOD Acoustic panels are produced in natural (unpainted), painted in 3 standard colour tones - white, gray and black, or painted in any tone of RAL at customer's request.



Profiles

CEWOOD Acoustic panels have wide profiling capabilities.



Packaging

CEWOOD Acoustic panels are placed on 2400x600; 1200x1200 or 1200x600mm wooden pallets, with cardboard on top and corners, plastic film around pallets.