

## 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:

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- SPA's, swimming pools, fitness centers
- Concert halls, theaters, cinemas
- Industrial and production premises, parking lots

### CEWOOD acoustic panels



### CEWOOD acoustic panels - 1,0mm 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 <sup>2</sup>	8,6	11,5	14,5	19,5
Density	kg/m <sup>3</sup>	570	460	410	390

Thermal resistance (Ro)	m <sup>2</sup> ·K/W	0,20	0,35	0,50	0,75
Thermal conductivity (λD)	W/m·K	0,066			
Specific heat (c)	J/(kg·K)	2100			
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 - 1,5mm 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 <sup>2</sup>	8,0	10,5	13,5	18,5
Density	kg/m <sup>3</sup>	530	420	380	370

Thermal resistance (Ro)	m <sup>2</sup> ·K/W	0,20	0,35	0,50	0,75
Thermal conductivity (λD)	W/m·K	0,066			
Specific heat (c)	J/(kg·K)	2100			
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 - 3,0mm wood wool (made 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 <sup>2</sup>	11,5	14,5	19,5
Density	kg/m <sup>3</sup>	460	410	390

Thermal resistance (Ro)	m <sup>2</sup> ·K/W	0,35	0,50	0,75
Thermal conductivity (λD)	W/m·K	0,066		
Specific heat (c)	J/(kg·K)	2100		
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		

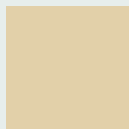
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### Acoustics

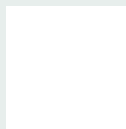
With different fastening constructions and combinations of different materials with CEWOOD acoustic panels it is possible to achieve different sound absorption parameters. The extended sound absorption coefficient  $\alpha_w$  can reach 0.90.

### Colors

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



Natural



White



Grey



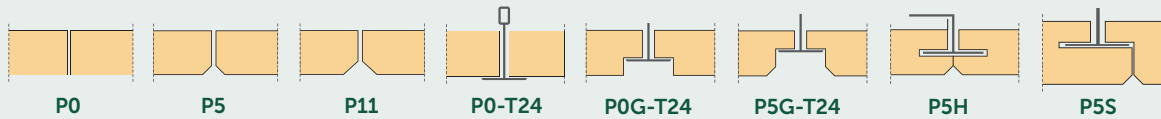
Black



RAL optionally

### 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.