

## 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			

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### 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			