

# Parafon<sup>®</sup> Exclusive



Parafon Exclusive is a high-quality sound absorber with great possibilities for variation. The product line includes the unique Step E15-panel which is installed in different levels. This creates patterns of any choice in the suspended ceiling. The very white surface, with high light reflection and low gloss ratio, makes this acoustic panel very suitable for environments with high aesthetic requirements.

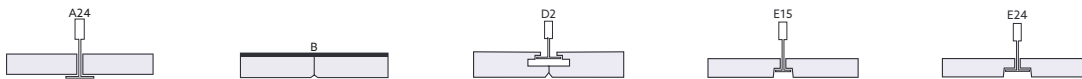
## Product Description

Facing material: Extra white pre painted glass fiber surface.

Backside: Thin glass fiber tissue.

Treatment of edges: Depending on edge type; from thin spray painted to fully painted edges.

## Edges & Dimensions



Thickness	Width x Length (modular size)	Weight kg/m <sup>2</sup>	Min. suspension height for dismounting
<b>A24</b>			
20	600 x 600 mm	1,5	90
	600 x 1200 mm		
40	600 x 600 mm	2,8	160
	600 x 1200 mm		
18	1200 x 1200 mm	1,4	90
	600 x 1800 mm		
25	600 x 2400 mm	1,8	110
<b>B</b>			
18	600 x 600 mm	2,5	Not demountable
40		5,6	
<b>D2</b>			
25	600 x 600 mm	3,5	70
	600 x 1200 mm		
<b>E15</b>			
18	600 x 600 mm	1,8	90
40		4,0	170
<b>E24</b>			
18	600 x 600 mm	1,8	90
	600 x 1200 mm		
	1200 x 1200 mm		
	600 x 1800 mm (Edge A in short sides)		
	600 x 2400 mm (Edge A in short sides)		
40	600 x 600 mm	4,0	170
	600 x 1200 mm		

# Performances

## Reaction to fire



A2-s1,d0

According to: EN 13964:2014 (EN 13501-1)

## Fire resistance



The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of products is related to the organic content, which cannot increase with time.

## Cleaning



Using a soft brush, by vacuum cleaning or by wiping with a damp cloth or sponge.

## Humidity and sag resistance



May be used continuously in 95% relative humidity at a temperature of 30°C, occasionally also at 100% and 40°C.

## Visual appearance



Gloss factor: ~2

## Light reflectance



~85%

## Colours



White, NCS S 0500-N

Colour codes show the nearest NCS value

## Environment & sustainability



Fully recyclable stone wool

## Indoor environment



M1

According to: Finnish classification

## Installation



Installation with suspension system. For edge type B mounting directly to the substrate by gluing or with fixing brackets.



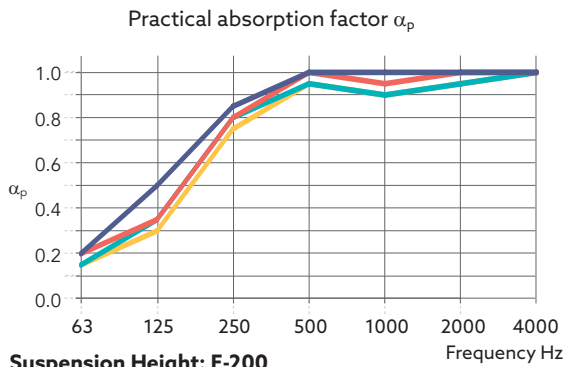
# Sound absorption



The sound absorption has been measured according to ISO 354. The absorption values and classes are calculated according to ISO 11654. NRC according to ASTM C 423.

## Parafon Exclusive

Edge A24; 18 mm, 20 mm, 25 mm, 40 mm.  
Suspension Height: E-200



### Suspension Height: E-200

Thickness: 18 mm      Absorption Class: A      —  
 Thickness: 20 mm      Absorption Class: A      —  
 Thickness: 25 mm      Absorption Class: A      —  
 Thickness: 40 mm      Absorption Class: A      —

Thickness:	Frequency Hz							$\alpha_w$	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
18 mm	0.15	0.30	0.75	0.95	0.90	0.95	1.00	0.95	A	0.90
20 mm	0.15	0.35	0.80	0.95	0.90	0.95	1.00	0.95	A	xx
25 mm	0.20	0.35	0.80	1.00	0.95	1.00	1.00	1.00	A	0.95
40 mm	0.20	0.50	0.85	1.00	1.00	1.00	1.00	1.00	A	1.00

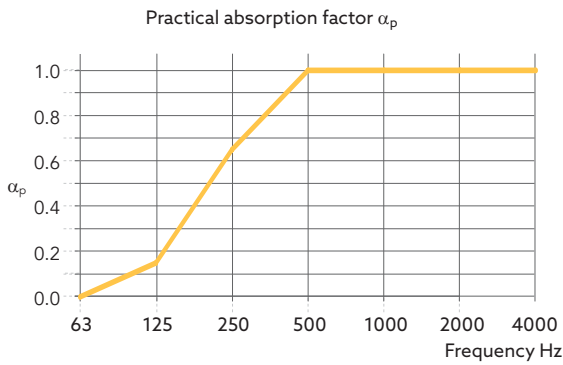
# Sound absorption



The sound absorption has been measured according to ISO 354. The absorption values and classes are calculated according to ISO 11654. NRC according to ASTM C 423.

## Parafon Exclusive

Edge A24: 40 mm.  
Direct Fixing



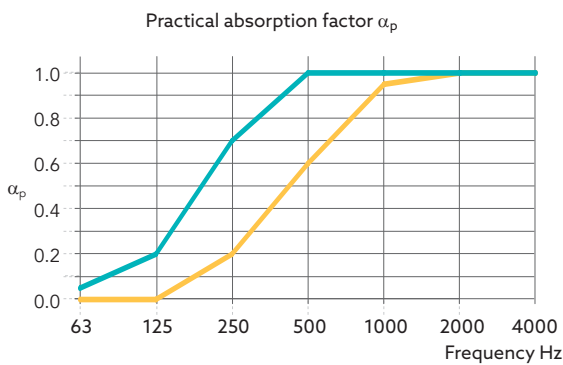
### Direct Fixing

Thickness: 40 mm      Absorption Class: A

Thickness:	Frequency Hz							$\alpha_w$	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
40 mm	0.00	0.15	0.65	1.00	1.00	1.00	1.00	0.95	A	1.00

## Parafon Exclusive

Edge B: 18 mm, 40 mm.  
Direct Fixing



### Direct Fixing

Thickness: 18 mm      Absorption Class: D  
Thickness: 40 mm      Absorption Class: A

Thickness:	Frequency Hz							$\alpha_w$	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
18 mm	0.00	0.00	0.20	0.60	0.95	1.00	1.00	0.50(MH)	D	0.65
40 mm	0.05	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A	0.95

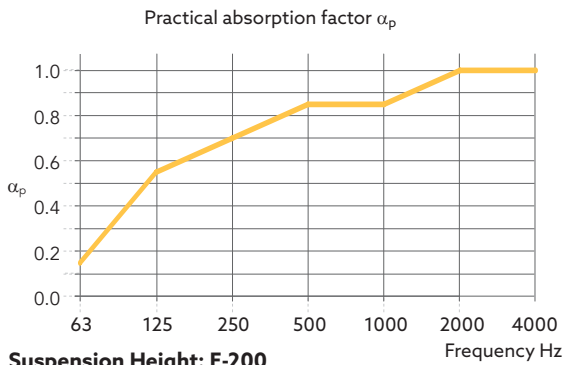
# Sound absorption



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## Parafon Exclusive

Edge D2:, 25 mm.  
Suspension Height: E-200



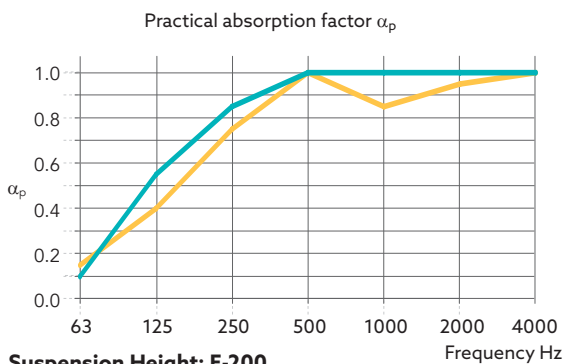
**Suspension Height: E-200**

Thickness: 25 mm Absorption Class: A

Thickness:	Frequency Hz							$\alpha_w$	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
25 mm	0.15	0.55	0.70	0.85	0.85	1.00	1.00	0.90	A	

## Parafon Exclusive

Edge E: 18 mm, 40 mm.  
Suspension Height: E-200



**Suspension Height: E-200**

Thickness: 18 mm Absorption Class: A

Thickness: 40 mm Absorption Class: A

Thickness:	Frequency Hz							$\alpha_w$	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
18 mm	0.15	0.40	0.75	1.00	0.85	0.95	1.00	0.95	A	0.90
40 mm	0.10	0.55	0.85	1.00	1.00	1.00	1.00	1.00	A	0.95