

IAC Office Acoustic Ceiling

IAC Office Acoustic Ceiling is a removable acoustic tile of high quality with edge configuration A and E for installation in a grid system. With a surface made of prepainted glass fibre with low gloss factor and an aesthetically pleasing appearance, the sound absorber is suitable for all types of indoor environments.

Product Description

Facing material:

White pre painted glass fiber surface layer.

Backside:

Thin glass fiber tissue.

Treatment of edges:

Edge A is thin spray painted, Edge E is painted.

Edges & Dimensions



Thickness	Width x Length (modular size)	Weight kg/m ²	Min. suspension height for demounting
A24			
15	600 x 600 mm	1,1	90
	600 x 1200 mm		
18	1200 x 1200 mm	1,4	
20	600 x 600 mm	1,5	
	600 x 1200 mm		
25	600 x 600 mm	1,8	110
	600 x 1200 mm		
	600 x 2400 mm		
40	600 x 600 mm	2,8	160
	600 x 1200 mm		
E24			
15	600 x 600 mm	1,5	90
	600 x 1200 mm		
18	600 x 1800 mm (Edge A in short sides)	1,8	
	600 x 2400 mm (Edge A in short sides)		
	1200 x 1200 mm		
40	600 x 600 mm	4,0	170
	600 x 1200 mm		

IAC Office Acoustic Ceiling

Performances

Reaction to fire



A1

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



~83%

Colours



White, NCS S 0500-N

Colour codes show the nearest NCS value

Environment & sustainability



Fully recyclable stone wool

Indoor environment



M1 - Refers only to edge A24., Danish Indoor Climate Labelling class 2.



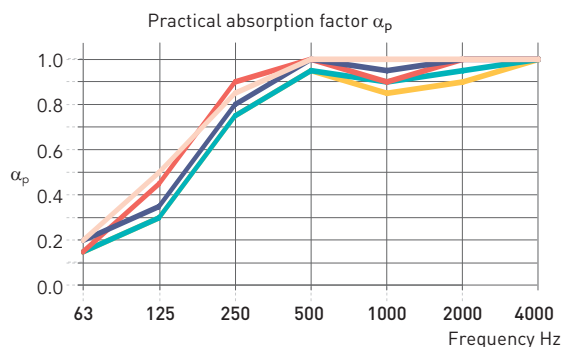
Installation



Installation with T24 suspension system.

IAC Office Acoustic Ceiling

Edge A24: 15 mm, 18 mm, 20 mm, 25 mm, 40 mm. Suspension Height: E-200



Suspension Height: E-200

Thickness: 15 mm	Absorption	Class: A
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							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
15 mm	0.15	0.30	0.75	0.95	0.85	0.90	1.00	0.90	A	0.85
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	0.45	0.90	1.00	0.90	1.00	1.00	1.00	A	0.95
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

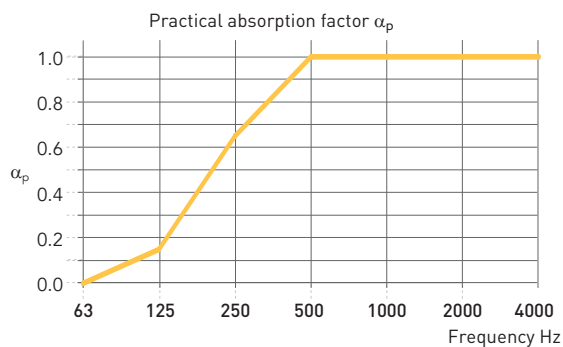


The sound absorption has been measured according to ISO 354. The absorption values and classes are calculated according to ISO 11654.

NRC according to ASTM C 423.

IAC Office Acoustic Ceiling

Edge A24:, 40 mm. Direct Fixing



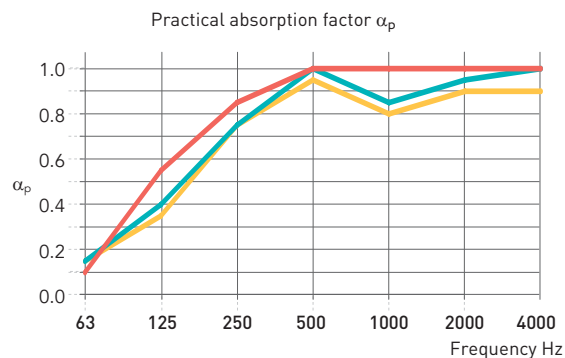
Direct Fixing

Thickness: 40 mm	Absorption	Class: A
------------------	------------	----------

Thickness:	Frequency Hz							α_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

IAC Office Acoustic Ceiling

Edge E: 15 mm, 18 mm, 40 mm. Suspension Height: E-200



Suspension Height: E-200

Thickness: 15 mm Absorption Class: A

Thickness: 18 mm Absorption Class: A

Thickness: 40 mm Absorption Class: A

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
15 mm	0.15	0.35	0.75	0.95	0.80	0.90	0.90	0.90	A	0.85
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

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.