IAC Direct Acoustic Panels

IAC Direct Acoustic Panels is an acoustic tile specially designed for the best sound absorption and function at direct installation using adhesive. The surface is covered with fleece and the straight edges are fully painted.

Product Description

Facing material:
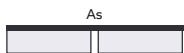White pre painted glass fiber surface layer.

Backside:
Thin glass fiber tissue.

Treatment of edges:
Fully painted edges.

Edges & Dimensions

As

Thickness	Width x Length (modular size)	Weight kg/m^2	Min. suspension height for demounting
As			
40	600 x 600 mm	4,0	Not demountable
	600 x 1200 mm		

Product size = Modular size – 8 mm

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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 classifification of products is related to the organic content, which cannot increase with time.

Cleaning

May be cleaned 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

Danish Indoor Climate Labelling class 2.

Installation

Mounting directly to the substrate by gluing. Leave 4 mm gap between the tiles.

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IAC Acoustics A/S

T: +45 36 77 88 00
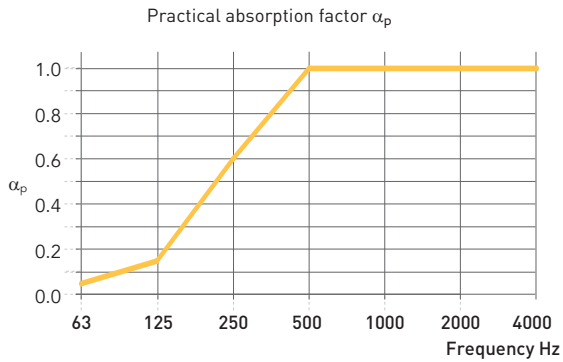**E:** mail@iac-nordic.dk
www.iac-nordic.dk

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.

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Edge As: 40 mm.
Direct Fixing

Practical absorption factor α_p

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	0.05	0.15	0.60	1.00	1.00	1.00	1.00	0.90	A	0.95