PARAFON®

Part of ROCKWOOL Group

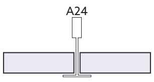
Parafon® Decibel Light

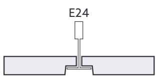
Parafon Decibel Light has a core of non-combustible stone wool and an aluminium membrane at the back and satisfies the lower requirements on sound insulation via the suspended ceiling. In combination with Parafon Decibel Barrier installed vertically in the plenum, or the sound absorbing Parafon Bass placed on top of the suspended ceiling, the sound insulation with Decibel Light can be reinforced significantly if required.

Product Description

Facing material: Pre painted glass fiber surface layer.
Backside: Aluminium foil.
Treatment of edges: Edge A are thin spray painted, Edge E painted.

Edges & Dimensions





Thickness	Width x Length (modular size)	Weight kg/m²	Min. suspension height for demounting
A24			
40	600 x 600 mm 600 x 1200 mm	4,9	160
E24			
40	600 x 600 mm	5,9	170

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

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

~85%

Colours

Exclusive 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.

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.

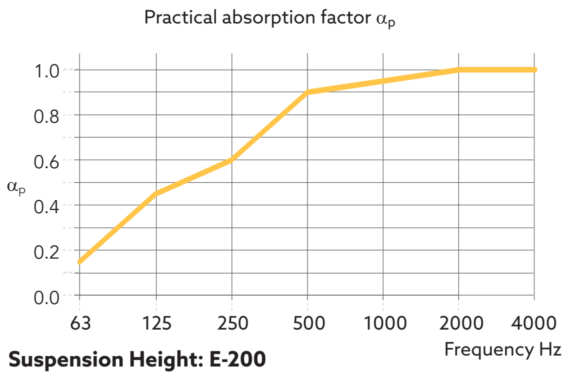
Direct sound insulation

R_w = 21 dB

According to: SS-EN ISO 10140 / SS-EN ISO 717-1

Parafon Decibel Light

Edge A24: 40 mm.
Suspension Height: E-200



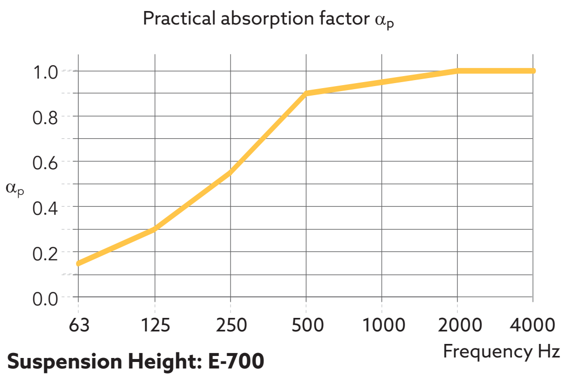
Suspension Height: E-200

Thickness: 40 mm   Absorption Class: A

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
40 mm	0.15	0.45	0.60	0.90	0.95	1.00	1.00	0.90	A	0.85

Parafon Decibel Light

Edge A24: 40 mm.
Suspension Height: E-700



Suspension Height: E-700

Thickness: 40 mm   Absorption Class: B

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
40 mm	0.15	0.30	0.55	0.90	0.95	1.00	1.00	0.85	B	0.85

Room to room sound insulation

$D_{n,f,w}$ = 35 dB

According to: SS-EN ISO 10848 / SS-EN ISO 717-1

$D_{n,f,w}$ with Parafon Bass along wall 1200 mm = 42 dB

$D_{n,f,w}$ with Parafon Bass whole covering = 44 dB

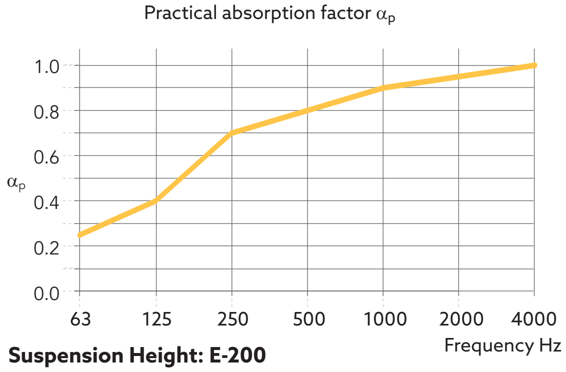
$D_{n,f,w}$ with single Parafon Decibel Barrier Rw 21 dB = 48* dB

$D_{n,f,w}$ with double Parafon Decibel Barrier Rw 36 dB = 53* dB

The values are measured and/or calculated with full covering ceilings.
Sound insulation values apply to edge A.
**Calculated values*

Parafon Decibel Light

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



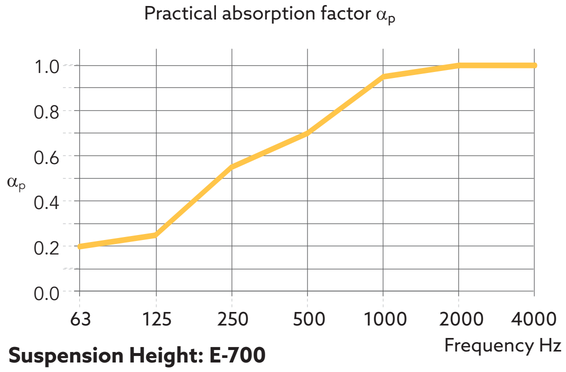
Suspension Height: E-200

Thickness: 40 mm Absorption Class: A

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
40 mm	0.25	0.40	0.70	0.80	0.90	0.95	1.00	0.90	A	0.85

Parafon Decibel Light

Edge E: 40 mm.
Suspension Height: E-700



Suspension Height: E-700

Thickness: 40 mm Absorption Class: C

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
40 mm	0.20	0.25	0.55	0.70	0.95	1.00	1.00	0.75(H)	C	0.80

Parafon® is a registered trademark of the ROCKWOOL Group.

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PARAFON®

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