PARAFON®

Part of ROCKWOOL Group

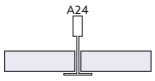
Parafon® Decibel Mute

Parafon Decibel Mute is an acoustic tile developed for optimal sound insulation and sound absorption. It is useful when sound insulation is needed via suspended ceilings of up to $D_{n,f,w}$ 54 dB. The tile has a core of non-combustible stone wool and a sound insulating membrane. It has been tried and tested in a Swedish accredited acoustic lab and is quick and easy to install.

Product Description

Facing material: Pre painted glass fiber surface layer.
Backside: Thin glass tissue.
Treatment of edges: Thin spray painted.

Edges & Dimensions



Thickness	Width x Length (modular size)	Weight kg/m²	Min. suspension height for demounting
A24			
55	600 x 600 mm 600 x 1200 mm	7,8	200

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

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 = 24 dB

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

Room to room sound insulation

$D_{n,f,w}$ = 42 dB

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

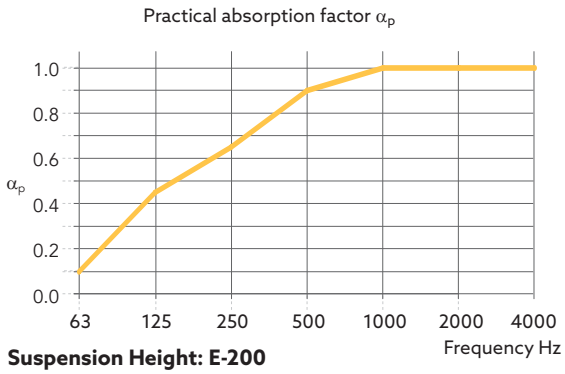
$D_{n,f,w}$ with single Parafon Decibel Barrier Rw 21 dB = 52 / 52* dB

$D_{n,f,w}$ with double Parafon Decibel Barrier Rw 36 dB = 54 / 56* dB

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

Parafon Decibel Mute

Edge A24: 55 mm.
Suspension Height: E-200



Suspension Height: E-200

Thickness: 55 mm Absorption Class: A

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
55 mm	0.10	0.45	0.65	0.90	1.00	1.00	1.00	0.90	A	0.90

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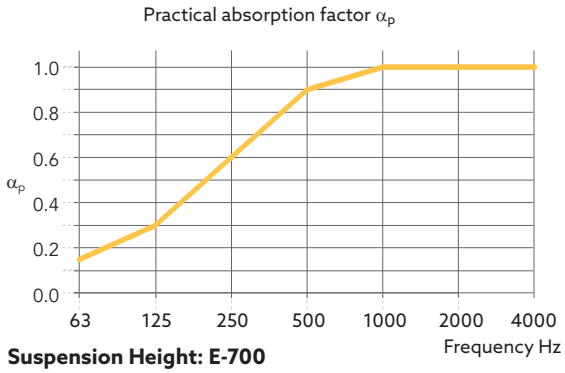
Edge A24: 55 mm.
Suspension Height: E-700



Suspension Height: E-700

Thickness: 55 mm Absorption Class: A

Thickness:	Frequency Hz							α_w	Absorption Class:	NRC
	63	125	250	500	1000	2000	4000			
55 mm	0.15	0.30	0.60	0.90	1.00	1.00	1.00	0.90	A	0.90

Parafon® is a registered trademark of the ROCKWOOL Group.

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www.parafon.com

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