



**Rockfon®**

Part of the ROCKWOOL Group

## **Rockfon® Mono® Acoustic**

Datasheet



**Sounds Beautiful**

# Rockfon® Mono® Acoustic

- Perfect for ceilings and walls, the innovative monolithic surface delivers outstanding acoustic comfort and fire protection
- The perfect design solution for new-build or renovation projects alike
- The refined white surface provides high light reflection and light diffusion, ensuring even light distribution and reducing the need for artificial light
- A completely seamless system that allows for easy integration of all services and the possibility to repair the surface

## Product Description

- Monolithic system comprising of a stone wool panel, filler and render
- Visible side: acoustical render
- Rear side: high performance membrane (Rockfon Mono Acoustic Direct is supplied with a mineral fleece)

## Application Areas

- Office
- Education
- Leisure
- Retail
- Residential

Edge detail	Module size (mm)	Approximate weight (kg/m <sup>2</sup> )	Recommended installation System
	1800 x 1200 x 40	6.0	Rockfon® System Mono Acoustic™

For this product, module size = exact dimension. Panel weight is stated exclusive of filler and render.  
Do not install Rockfon Mono Acoustic where a pressure difference can be created between the front and backside of a Rockfon Mono Acoustic ceiling.  
Only available in certain countries.

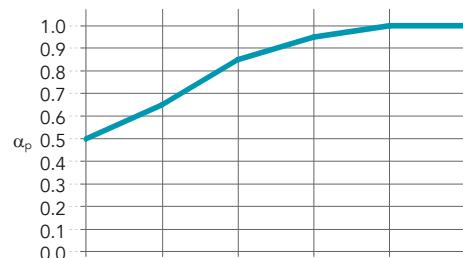


## Performance



### Sound absorption

$\alpha_w$ : 0.90 (Class A)



Absorption class

NRC



### Direct sound insulation

$R_w$  = 22 dB

\* Rockfon Mono Acoustic panels  
Sound absorption values are valid for flat surfaces.

When conducting an acoustic study, please take into account the services integrated into the ceiling as well as the project layout.

Thickness (mm) /  
Suspension (incl. tile - mm)

125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz

$\alpha_w$

Elegant Render (White) 40 0.50 0.65 0.85 0.95 1.00 1.00 0.90 A 0.90



### Reaction to fire

A2-s1,d0



### Cleaning

- Vacuum



### Fire resistance

Rockfon Mono Acoustic achieves up to 60 min. in accordance with European test standards and national approvals.

Please contact Rockfon for fire resistance documentation.



### Hygiene

Stone wool provides no sustenance to microorganisms



### Light reflection and light diffusion

87% light reflection (Elegant Render)  
>99% light diffusion (Elegant Render)



### Environment

Fully recyclable stone wool

The recycled content of Rockfon products is between 29% and 64% according to ISO 14021.

Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).



### Carbon footprint

5.06 kg of CO2 eq.  
(cradle to gate based on EPD)



### Humidity and sag resistance

Up to 100% RH.

No visible deflection in high humidity. There will always be some dust/dirt on the panels after some time, and with regular exposure to high humidity this could lead to fungi growth. Please avoid condensation on the panel

Rockfon Mono Acoustic can be used in swimming pools provided it is not exposed to condensation, splashing water or water droplets. The suspension system components must be corrosion resistant and the plenum well ventilated.

For more information, please contact Rockfon



### Indoor environment

A selection of Rockfon products have been awarded the Finnish M1 emission classification for building materials and the Danish Indoor Climate Label for low emission products



### Visual appearance

L value: 94.5 (Elegant Render)

The whiteness (L value) of the product is tested in accordance with ISO 7724 and measured on a scale from 1 (black) to 100 (white).



All performance properties presented in the datasheet are based uniquely on the white surface.

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