

# 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
 <p>TE</p>	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

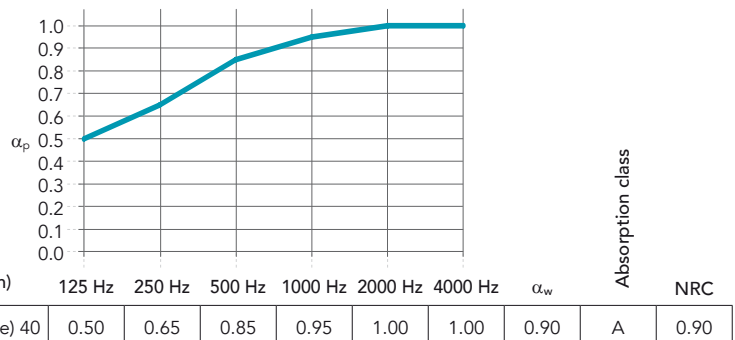


**Sound absorption**  
 $\alpha_w$ : 0.90 (Class A)



**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.



**Reaction to fire**  
 A2-s1,d0



**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.



**Light reflection and light diffusion**  
 87% light reflection (Elegant Render)  
 >99% light diffusion (Elegant Render)



**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



**Cleaning**  
 - Vacuum



**Hygiene**  
 Stone wool provides no sustenance to microorganisms



**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)



**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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of the ROCKWOOL Group.

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