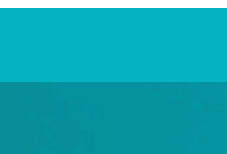


# Rockfon<sup>®</sup> Mono<sup>™</sup> Acoustic

Datasheet



**Sounds Beautiful**

# Rockfon® Mono™ Acoustic


- Perfect for ceilings and walls, the innovative monolithic surface delivers outstanding acoustic comfort and fire protection
- Flat or curved. Direct or suspended installation. 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 (40mm), filler and render
- Visible side: elegant and refined 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
TE Elegant Render 	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.  
 For colours, please contact local Key Account Managers.  
 Only available in certain countries.



## Performance



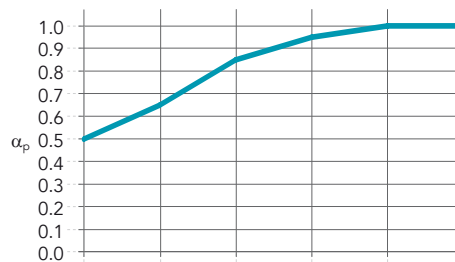
**Sound absorption**  
 $\alpha_w$ : 0.90 (Class A)



**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.



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

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\alpha_w$	Absorption class	NRC
Elegant Render 40 / 200 *	0.50	0.65	0.85	0.95	1.00	1.00	0.90	A	0.90



**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  
 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  
 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.  
 All colours can influence product performances. Please contact Rockfon customer service for more information.

Rockfon® is a registered trademark  
of the ROCKWOOL Group.

09/2021 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.

## Sounds Beautiful

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