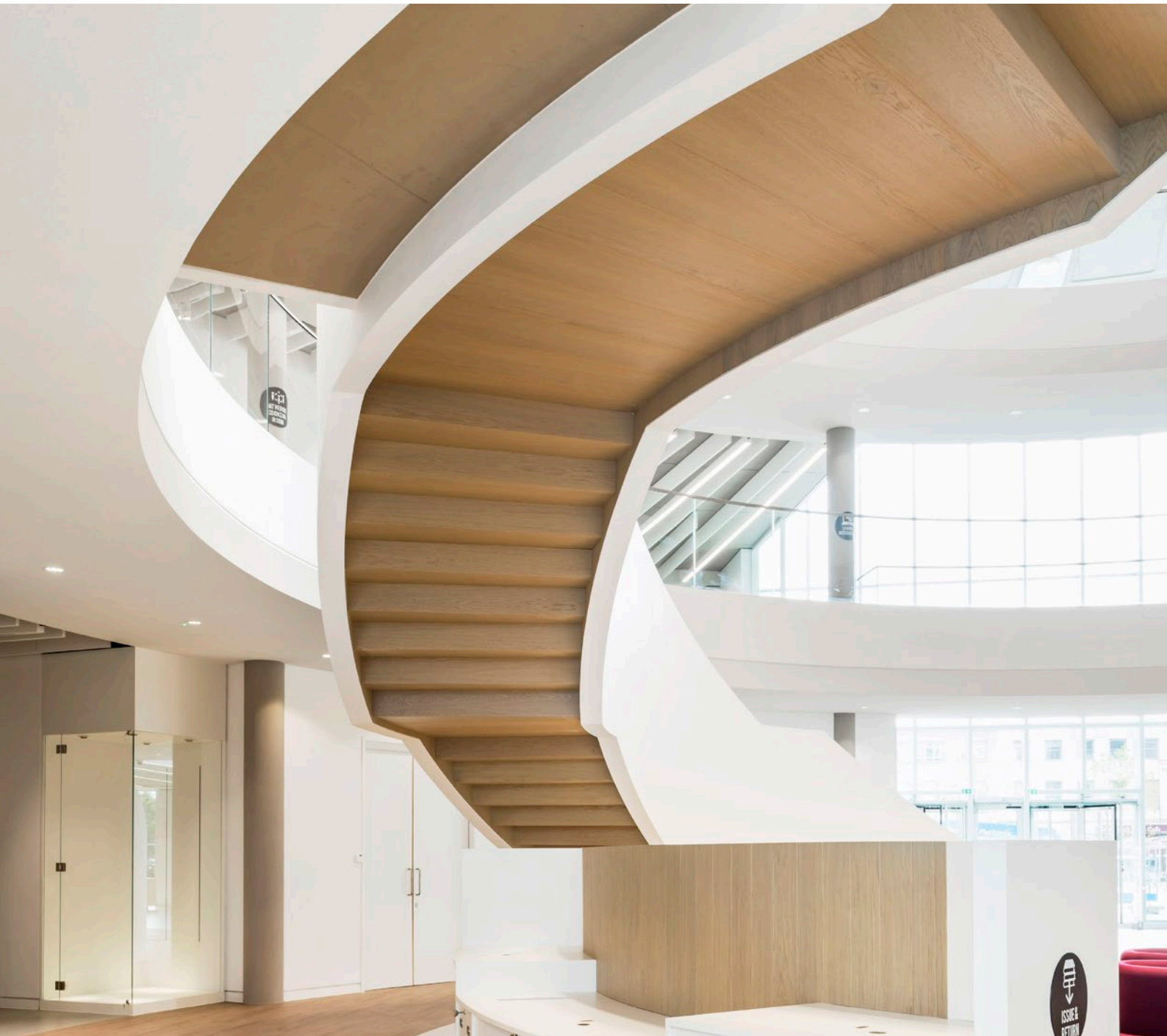


DATASHEET

Rockfon® Mono® Acoustic



Sounds Beautiful

Rockfon® Mono® Acoustic

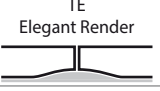

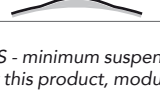
- Perfect for ceilings and walls, the innovative monolithic surface delivers outstanding acoustic comfort and fire protection
- Flat or curved. Direct or suspended installation. A unique design solution for new build or renovation projects alike
- The refined white surface provides high light reflection 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 a 40mm stone wool panel, filler and render
- Visible side: elegant and refined seamless acoustic 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)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation System
 TE Elegant Render	1200 x 1200 x 40	6.0	90 / Not demountable	Rockfon® System Mono Acoustic™
	1800 x 1200 x 40	6.0	90 / Not demountable	Rockfon® System Mono Acoustic™
 Direct TE Elegant Render	1200 x 1200 x 40	6.0	40 / Not demountable	Rockfon® System Mono Acoustic™
	1800 x 1200 x 40	6.0	40 / Not demountable	Rockfon® System Mono Acoustic™
 Flecto TE Elegant Render	1200 x 1200 x 40	6.0	40 / Not demountable	Rockfon® System Mono Acoustic™
	1800 x 1200 x 40	6.0	40 / Not demountable	Rockfon® System Mono Acoustic™

*MS - minimum suspension.

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.

Rockfon Mono Acoustic Direct can only be installed directly to a soffit or wall.

For colours, please contact customer service.



Performance



Sound absorption

α_w : up to 1,00 (Class A)



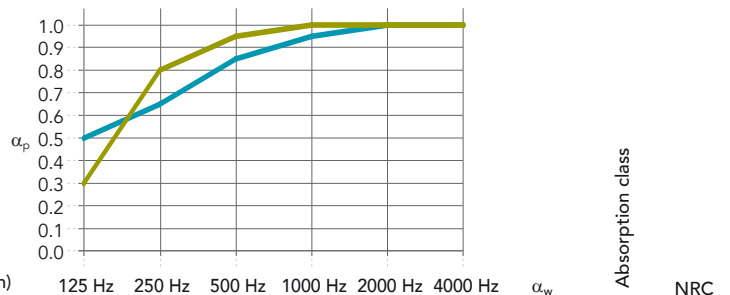
Direct sound insulation

R_w = 22 dB

* Rockfon Mono Acoustic panels
** Rockfon Mono Acoustic Direct 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)

Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_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
Elegant Render 40 / 40 **	0.30	0.80	0.95	1.00	1.00	1.00	1.00	A	0.95



Reaction to fire

A2-s1,d0



Fire protection

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
>99% light diffusion



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 enhanced corrosion resistant (ECR) 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

Cradle-to-Gate 5.07 - 5.60 kg of CO₂ eq. (based on third party verified EPD)

Cradle-to-Grave 6.84 - 7.57 kg of CO₂ eq. (based on third party verified 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.

11.2022 | 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.

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