![Rockfon logo]
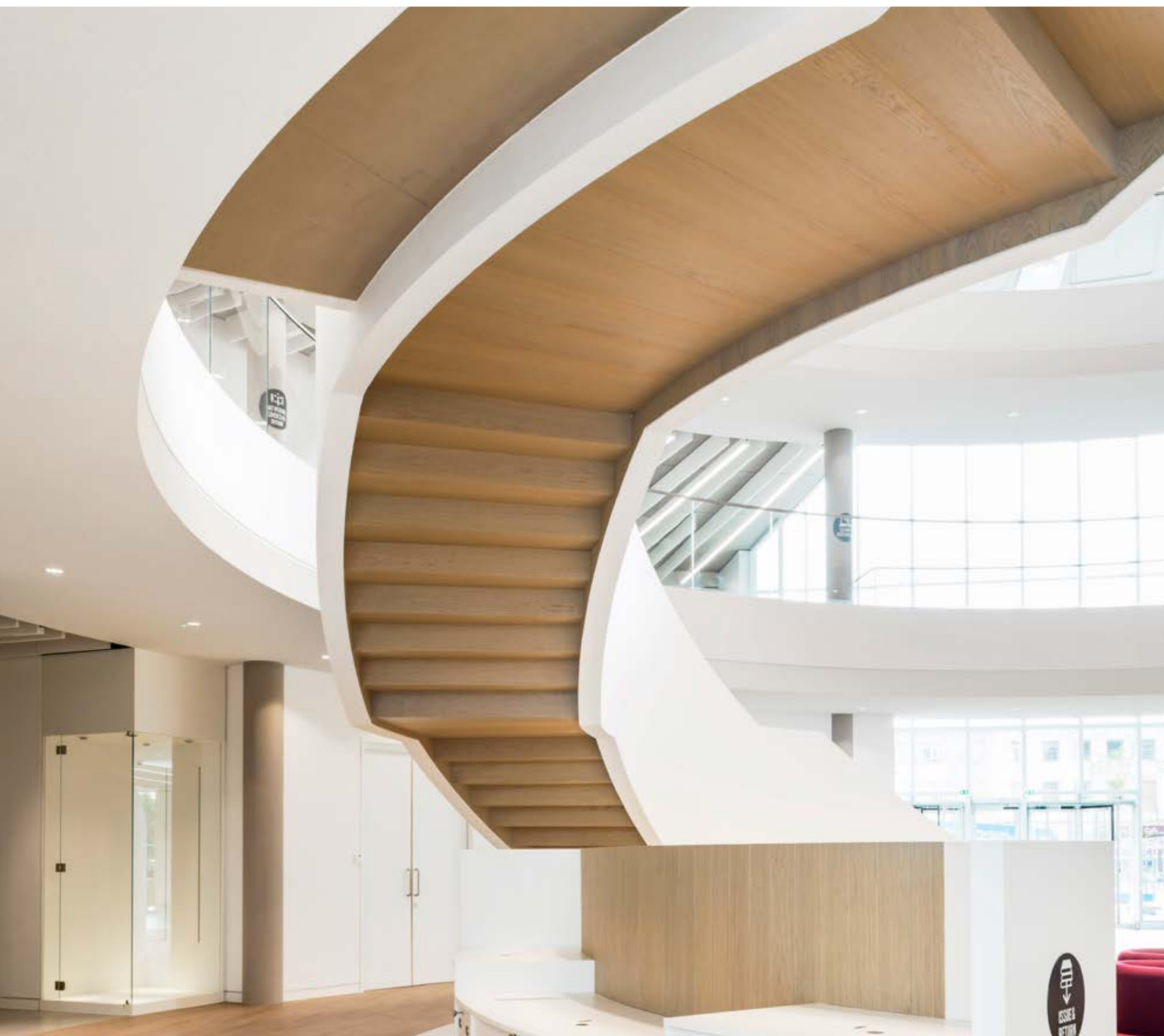
Rockfon® Mono® Acoustic

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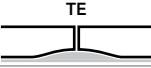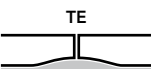
- Perfect for ceilings and walls, the innovative monolithic surface delivers outstanding acoustic comfort and fire protection
- Flat or curved. Direct or suspended installation. The perfect design solution for new-build or renovation projects alike
- The refined white surface provides high light reflection 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, 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)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation system	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO₂ eq/ m²)*	A1-C4 Full life cycle impact (kg CO₂ eq/ m²)*
Flecto TE	1200 x 900 x 40	6,0	40 / Not demountable	Rockfon® System Mono Acoustic™	36%	CERTIFIED cradle to cradle SILVER	4,46	6,04
TE			90 / Not demountable	Rockfon® System Mono Acoustic™			5,38	6,97
Flecto TE			40 / Not demountable	Rockfon® System Mono Acoustic™			4,46	6,04
TE	1800 x 1200 x 40		90 / Not demountable	Rockfon® System Mono Acoustic™			5,38	6,97
Direct TE	1200 x 900 x 40		40 / Not demountable	Rockfon® System Mono Acoustic™				
	1800 x 1200 x 40		40 / Not demountable	Rockfon® System Mono Acoustic™				

MS = Minimum suspension
MS easy access = Minimum suspension - tiles demountable
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 colour installations, please contact customer service and align upon do's and dont's with our technical staff.

* For full environmental impact disclosure, see our product EPDs available on rockfon.link/cee-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.

Performance

Sound absorption
α_w: up to 1,00 (Class A)

Direct sound insulation
R_w =

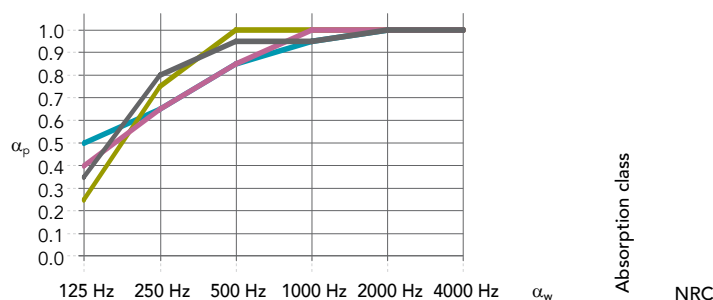** Rockfon Mono Acoustic panels*
** Rockfon Mono Acoustic Direct panels
Sound absorption values are valid for flat surfaces.
When conducting an acoustic study, please take into account the services integrated into the ceiling as well as the project layout.

Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
Elegant Render (White) 40 / 200 *	0.50	0.65	0.85	0.95	1.00	1.00	0.90	A	0.90
Elegant Render (White) 40 / 40 **	0.25	0.75	1.00	1.00	1.00	1.00	1.00	A	0.95
Ready-Mix Render (Colour) 40 / 220 *	0.40	0.65	0.85	1.00	1.00	1.00	0.90	A	0.90
Ready-Mix Render (Colour) 40 / 40 **	0.35	0.80	0.95	0.95	1.00	1.00	1.00	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

Cleaning
- Vacuum

Hygiene
Stone wool provides no sustenance to microorganisms

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).

Recyclability
Fully recyclable stone wool

Indoor environment
Rockfon ceiling products are classified in Class E1 in accordance with EN 13964 (EN 717-1). Rockfon ceiling products have a very low release of VOCs. A selection of Rockfon products have achieved the following performance levels and labels in indoor air emissions:

THE INDOOR CLIMATE LABEL

M1 · EMISSION CLASS FOR BUILDING MATERIAL · RTS

Material Health
All materials used in Rockfon products are screened against the technical checklist A20 and the list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with safe fibre EU regulation and hold a EUCEB certification.

All performance properties presented in the datasheet are based uniquely on the white surface.
All colours can influence product performances. For colour installations, please contact customer service and align upon do's and dont's with our technical staff.
Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

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