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. 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
- Available in custom colours or 33 colours from the Rockfon Colours of Wellbeing range
- A completely seamless system that allows for easy integration of all services and the possibility for surface maintenance

Product Description
- Monolithic system comprising of a stone wool panel, filler and render
- Visible side: acoustic render
- Rear side: high performance membrane (Rockfon Mono Acoustic Direct and Rockfon Mono Acoustic Flecto are 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 CO_2 eq/m²)*	A1-C4 Full life cycle impact (kg CO_2 eq/m²)*
TE	1200 x 900 x 40	6,0	90 / Not demountable	Rockfon® System Mono Acoustic™	44%	CERTIFIED cradle to cradle SILVER	5,38	6,97
	1800 x 1200 x 40		90 / Not demountable	Rockfon® System Mono Acoustic™				
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™				
Flecto TE	1200 x 900 x 40		40 / Not demountable	Rockfon® System Mono Acoustic™	35%		4,46	6,04
Mono Acoustic FE	1800 x 1200 x 40	6,0	90 / Not demountable	Rockfon® System Mono Acoustic™	44%	CERTIFIED cradle to cradle SILVER	5,38	6,97
Mono Acoustic Direct FE	1200 x 900 x 25	4,0	25 / Not demountable	Rockfon® System Mono Acoustic™	44%	CERTIFIED cradle to cradle SILVER	2,93	3,9
	1200 x 900 x 40	6,0	40 / Not demountable	Rockfon® System Mono Acoustic™			5,38	6,97
	1800 x 1200 x 40		40 / Not demountable	Rockfon® System Mono Acoustic™				
Mono Acoustic Flecto FE	1200 x 900 x 40	6,0	40 / Not demountable	Rockfon® System Mono Acoustic™	35%	CERTIFIED cradle to cradle SILVER	4,46	6,04

*MS - minimum suspension incl. panel thickness
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 and Rockfon Mono Acoustic Flecto can only be installed directly onto an airtight surface.

* 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.
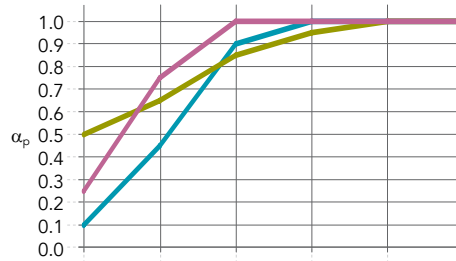
Performance

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

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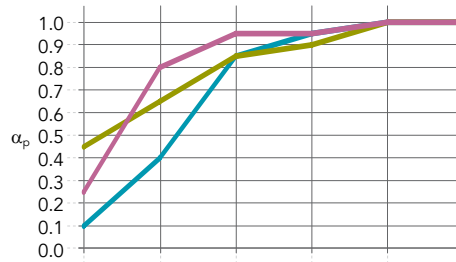*** Rockfon Mono Acoustic Direct panels*
Sound absorption values are valid for flat surfaces. When conducting an acoustic study, please take into account the services integrated into the ceiling as well as the project layout.

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) 25 / 25 **	0.10	0.45	0.90	1.00	1.00	1.00	0.75	C	0.85
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

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 (Colour) 25 / 25 **	0.10	0.40	0.85	0.95	1.00	1.00	0.70	C	0.80
Elegant Render (Colour) 40 / 200 *	0.45	0.65	0.85	0.90	1.00	1.00	0.90	A	0.80
Elegant Render (Colour) 40 / 40 **	0.25	0.80	0.95	0.95	1.00	1.00	1.00	A	0.95

Reaction to fire
A2-s1,d0
B-s1,d0 (Colour)

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 (White)
>99% light diffusion (White)
Colour-dependent (Colour)

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 room and plenum well ventilated.
For more information, please contact Rockfon Technical service.

Cleaning
- Vacuum

Hygiene
Stone wool provides no sustenance to microorganisms

Visual appearance
L value: 94.5 (White)
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 list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

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Mustard - 51
NCS S 2050-Y10R

Light reflection: 37%

Sand - 30
NCS S 2020-Y20R

Light reflection: 55%

Stucco - 20
NCS S 1505-Y30R

Light reflection: 70%

Scarlet - 71
NCS S 6030-Y80R

Light reflection: 8%

Coral - 76
NCS S 3040-Y90R

Light reflection: 22%

Seashell - 75
NCS S 1510-Y60R

Light reflection: 56%

Petal - 74
NCS S 1005-Y60R

Light reflection: 70%

Seaweed - 34
NCS S 8005-G20Y

Light reflection: 6%

Eucalyptus - 32
NCS S 6020-B90G

Light reflection: 12%

Sage - 31
NCS S 3010-G10Y

Light reflection: 34%

Mint - 12
NCS S 1005-G10Y

Light reflection: 70%

Space - 49
NCS S 7020-B

Light reflection: 5%

Storm - 48
NCS S 6020-R90B

Light reflection: 55%

Azure - 47
NCS S 3020-B

Light reflection: 34%

Fresh - 42
NCS S 2010-B10G

Light reflection: 51%

Earth - 25
NCS S 5010-Y50R

Light reflection: 22%

Clay - 26
NCS S 5005-G80Y

Light reflection: 22%

Linen - 22
NCS S 4005-Y50R

Light reflection: 29%

Sandalwood - 13
NCS S 2010-Y60R

Light reflection: 49%

Chalk - 21
NCS S 2005-Y40R

Light reflection: 51%

Ebony - 28
NCS S 8505-Y80R

Light reflection: 4%

Cork - 24
NCS S 4010-Y30R

Light reflection: 30%

Hemp - 23
NCS S 3005-Y20R

Light reflection: 45%

Iron - 18
NCS S 7502-B

Light reflection: 7%

Concrete - 06
NCS S 6000-N

Light reflection: 16%

Mastic - 17
NCS S 4000-N

Light reflection: 33%

Zinc - 05
NCS S 4005-R50B

Light reflection: 33%

Charcoal - 09
NCS S 8500-N

Light reflection: 4%

Anthracite - 08
NCS S 7010-R90B

Light reflection: 7%

Gravel - 03
NCS S 3502-B

Light reflection: 34%

Plaster - 02
NCS S 2005-R80B

Light reflection: 58%

Stone - 01
NCS S 2000-N

Light reflection: 55%

Moon - 10
NCS S 1005-R80B

Light reflection: 75%

NCS codes are the closest colour match. Due to the nature of the spray application and texture of Mono Acoustic Elegant Render, the surface appearance might - in particular light conditions - deviate from printed colours. Samples of the colour rendered surfaces are available upon request. Light reflection values are indicative values and are subject to the way of render application and texture of the surface. Contact us for more information.

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