

DATASHEET

Rockfon® Koral



Sounds Beautiful

Rockfon® Koral

- Aesthetic white, micro-textured surface
- High sound absorption/Class A sound absorption and highest fire safety (Class A1)
- Full range of formats in semi-concealed and visible grid options
- Surface can be cleaned with a damp cloth or vacuumed

Product Description

- Stone wool tile
- Visible side: micro-textured white painted fleece
- Rear side: back fleece
- Painted edges

Application Areas

- Office
- Healthcare
- Education
- Leisure
- Retail

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation system	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO ₂ eq/m ²)*	A1-C4 Full life cycle impact (kg CO ₂ eq/m ²)*
	600 x 600 x 15	2,0	50 / 100	Rockfon® System T15 A™	30%		2,24	2,73
	600 x 600 x 15	2,0	50 / 100	Rockfon® System T24 A™	30%		2,24	2,73
	1200 x 600 x 15		50 / 100	Rockfon® System XL T24 A™				
	1800 x 600 x 20	2,3	50 / 100	Rockfon® System T24 A™	32%		2,55	3,19
	2100 x 600 x 20		50 / 100	Rockfon® System XL T24 A™				
	2400 x 600 x 20		50 / 100	Rockfon® System T24 A™				
	1200 x 900 x 25	2,5	50 / 150	Rockfon® System T24 A™	32%		2,16	2,77
	1200 x 1200 x 25		50 / 150	Rockfon® System T24 A™				
	600 x 600 x 40	3,3	50 / 200	Rockfon® System T24 A™	35%		3,20	4,28
	1200 x 600 x 40		50 / 200	Rockfon® System T24 A™				
	600 x 600 x 20	2,3	24 / Not demountable	Rockfon® System A Adhesive™	33%		2,55	3,19
	1200 x 600 x 20		24 / Not demountable	Rockfon® System A Adhesive™				
	600 x 600 x 40	4,1	44 / Not demountable	Rockfon® System A Adhesive™	36%		3,20	4,28
	1200 x 600 x 40		44 / Not demountable	Rockfon® System A Adhesive™				
	600 x 600 x 15	2,2	60 / 100	Rockfon® System T15 E™	33%		2,19	2,82
	1200 x 600 x 15		60 / 100	Rockfon® System T15 E™				
	600 x 600 x 15	2,2	60 / 100	Rockfon® System T24 E™	33%		2,19	2,82
	1200 x 600 x 15		60 / 100	Rockfon® System XL T24 E™				
			60 / 100	Rockfon® System T24 E™				

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

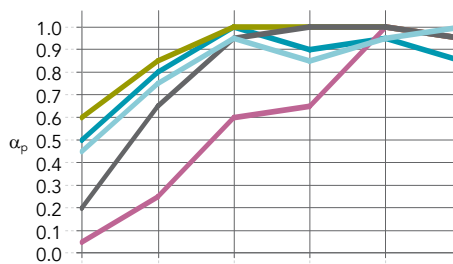
* For full environmental impact disclosure, see our product EPDs available on rockfon.link/cee-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



Performance



Sound absorption
 α_w : up to 1.00 (Class A)



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

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
A: 15 / 200	0.50	0.80	1.00	0.90	0.95	0.85	0.95	A	0.90
A: 40 / 200	0.60	0.85	1.00	1.00	1.00	0.95	1.00	A	0.95
As: 20 / 20	0.05	0.25	0.60	0.65	1.00	0.95	0.55	D	0.70
As: 40 / 40	0.20	0.65	0.95	1.00	1.00	0.95	0.95	A	0.90
E: 15 / 200	0.45	0.75	0.95	0.85	0.95	1.00	0.95	A	0.90



Reaction to fire
 A1



Light reflection
 86%



Humidity and sag resistance
 Up to 100% RH.
 No visible deflection in high humidity
 C/0N



Cleaning
 - Vacuum
 - Damp cloth



Hygiene
 Stone wool provides no sustenance to microorganisms



Thermal insulation
 40 mm:
 Thermal conductivity:
 $\lambda_D = 37 \text{ mW/mK}$



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:



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.

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