

DATASHEET

# Rockfon® Koral™



**Sounds Beautiful**

# Rockfon® Koral™







- Attractive white, micro-textured surface for various applications
- Highest Class A sound absorption and highest fire safety (Class A1)
- Available in semi-concealed and visible grid options
- Easy to clean with a vacuum or a damp cloth

## Product Description

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

## Application Areas

- Office
- Industry
- Education
- Leisure
- Retail

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS / MS easy access (mm)	Recommended installation System
 A15	600 x 600 x 15	2.0	50 / 100	Rockfon® System T15 A™
		2.0	50 / 100	Rockfon® System T15 A, E ECR™
	600 x 600 x 20	2.3	50 / 100	Rockfon® System T15 A™
		2.3	50 / 100	Rockfon® System T15 A, E ECR™
 A24	600 x 600 x 15	2.0	50 / 100	Rockfon® System T24 A™
		2.0	50 / 100	Rockfon® System XL T24 A™
		2.0	50 / 100	Rockfon® System T24 A, E ECR™
	1200 x 600 x 15	2.0	50 / 100	Rockfon® System T24 A™
		2.0	50 / 100	Rockfon® System T24 A, E ECR™
		2.3	50 / 100	Rockfon® System T24 A™
	600 x 600 x 20	2.3	50 / 100	Rockfon® System XL T24 A™
		2.3	50 / 100	Rockfon® System T24 A, E ECR™
		2.3	50 / 100	Rockfon® System T24 A™
		2.3	50 / 100	Rockfon® System T24 A, E ECR™
 E15	600 x 600 x 15	2.2	50 / 100	Rockfon® System T15 E™
		2.2	50 / 100	Rockfon® System T15 A, E ECR™
	1200 x 600 x 15	2.2	50 / 100	Rockfon® System T15 E™
		2.2	50 / 100	Rockfon® System T15 A, E ECR™
 E24	600 x 600 x 15	2.2	58 / 100	Rockfon® System T24 E™
		2.2	58 / 100	Rockfon® System XL T24 E™
		2.2	58 / 100	Rockfon® System T24 A, E ECR™
	1200 x 600 x 15	2.2	58 / 100	Rockfon® System T24 E™
		2.2	58 / 100	Rockfon® System T24 A, E ECR™
 E15	600 x 600 x 20	2.2	60 / 100	Rockfon® System T15 E™
	 E24	600 x 600 x 20	2.2	60 / 100

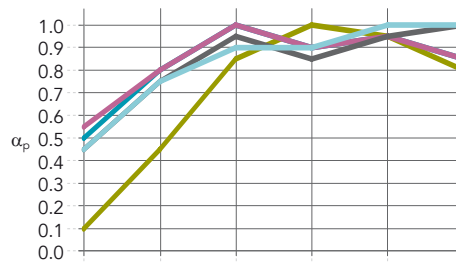
MS = Minimum Suspension



## Performance



**Sound absorption**  
 $\alpha_w$ : up to 0.95 (Class A)



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

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\alpha_w$	Absorption class	NRC
A: 15 / 200	0.50	0.80	1.00	0.90	0.95	0.85	0.95	A	0.90
A: 15 / 50	0.10	0.45	0.85	1.00	0.95	0.80	0.75	C	0.80
A: 20 / 200	0.55	0.80	1.00	0.90	0.95	0.85	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
E: 20 / 200	0.45	0.75	0.90	0.90	1.00	1.00	0.95	A	0.90



**Reaction to fire**  
 A1



**Fire protection**  
 The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes. Some sizes and edge details of Rockfon Koral can be used with various Chicago Metallic grids and Rockfon systems to create a 30 and/or 60 minutes fire protecting ceiling in accordance with BS 476 Part 21 and Part 23. They can also be used to create a 30 minutes fire protecting membrane ceiling (integrity only) in accordance with BS 476 Part 22.



**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



**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 2.04 - 2.96 kg of CO<sub>2</sub> eq. (based on third party verified EPD)  
 Cradle-to-Grave 2.65 - 3.92 kg of CO<sub>2</sub> 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



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