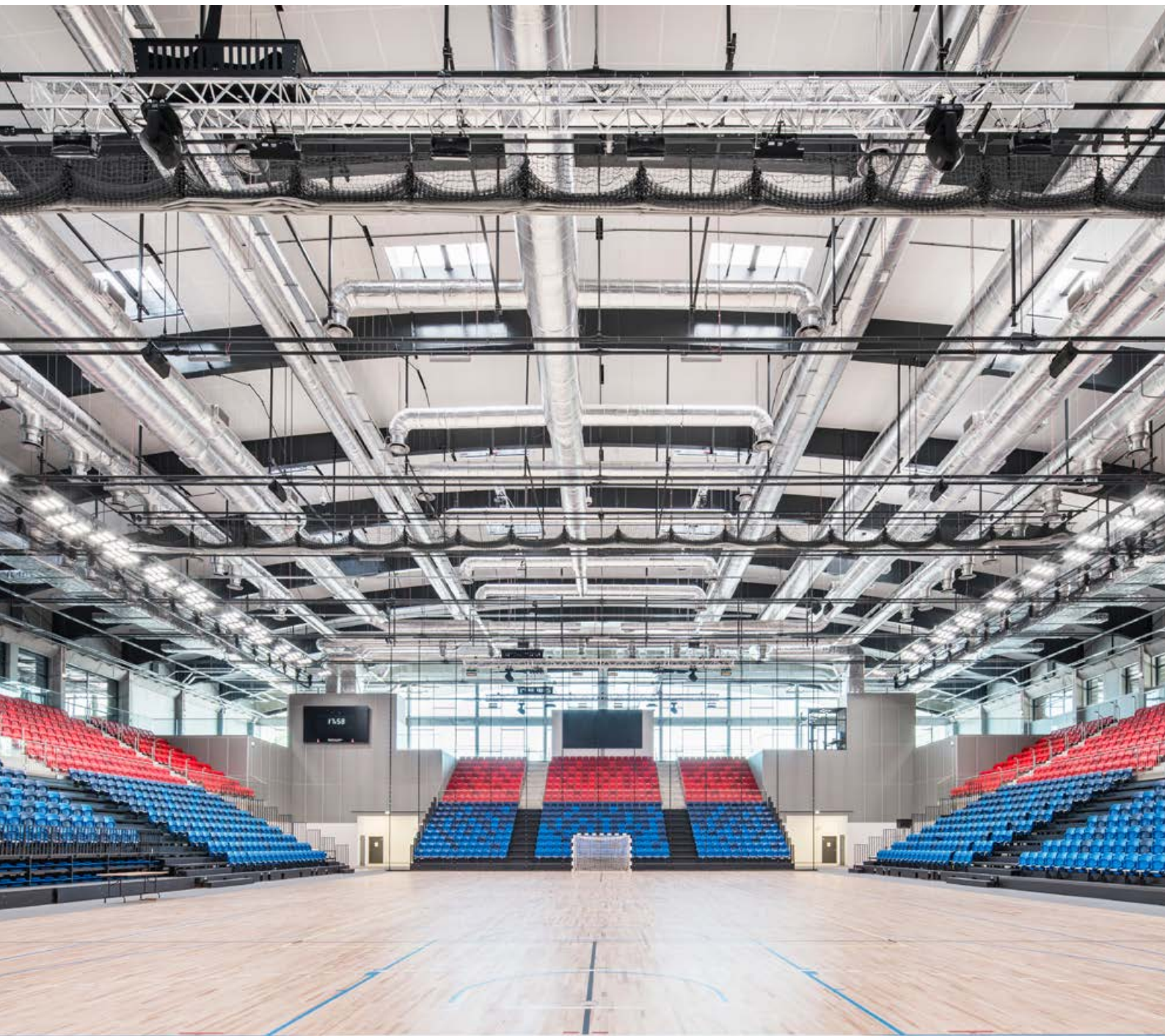


DATASHEET

# Rockfon® Samson™



**Sounds Beautiful**

# Rockfon® Samson™




- Impact-resistant white woven surface, ideal for high activity areas
- High sound absorption (Class A) and the highest fire safety (Class A1)
- Basic range of dimensions and edges

## Product Description

- Stone wool tile
- Visible side: Woven
- Rear side: back fleece
- Painted edges

## Application Areas

- Office
- Education
- Industry
- Leisure

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS / MS easy access (mm)	Recommended installation system	Recycled content	A1-A3 Production stage impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )*	A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )*
 A24	600 x 600 x 40	4,1	150 / Not demountable	Rockfon® System T24 A Impact 2A/3A™	36%	3,47	4,68
	1200 x 600 x 40		50 / 200	Rockfon® System T24 A™			
			150 / Not demountable	Rockfon® System T24 A Impact 2A/3A™			
			50 / 200	Rockfon® System T24 A™			
2400 x 600 x 40	50 / 200	Rockfon® System T24 A™					
 A HAT	600 x 600 x 40	4,1	41 / Not demountable	Rockfon® System HAT A™	36%	3,47	4,68
	1200 x 600 x 40		41 / Not demountable	Rockfon® System HAT A™			
 AEX	1166 x 1166 x 40	4,1	180 / 180	Rockfon® System Olympia Plus A Impact 1A™	36%	3,47	4,68

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

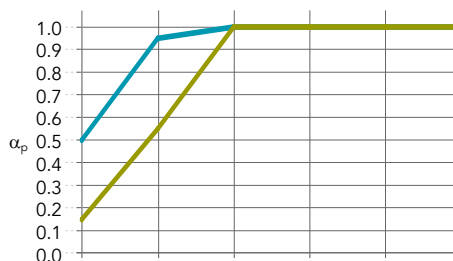
\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/cee-epd](https://rockfon.link/cee-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## Performance



**Sound absorption**  
 $\alpha_w$ : up to 1,00 (Class A)



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

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\alpha_w$	Absorption class	NRC
40 / 225	0.50	0.95	1.00	1.00	1.00	1.00	1.00	A	1.05
40 / 40	0.15	0.55	1.00	1.00	1.00	1.00	0.85	B	0.90



**Reaction to fire**  
 A1



**Light reflection**  
 72%



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



**Cleaning**  
 - Vacuum



**Hygiene**  
 Stone wool provides no sustenance to microorganisms



**Impact resistance**  
 40 mm: Class 1A (Rockfon System Olympia<sup>Plus</sup> A Impact 1A)  
 40 mm: Class 2A (Rockfon System T24 A Impact 2A/3A)  
 Tested in accordance with EN13964-Annex D. Impact resistance classifications confirm the system's capability to withstand incidental or occasional impact. Directly mounted, Rockfon Samson is not recommended for use in areas which are subjected to continuous high levels of impact. The woven surface of Rockfon Samson provides enhanced resistance to perforation, tested in accordance with NF P 08-301.



**Thermal insulation**  
 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.

# Sounds Beautiful

