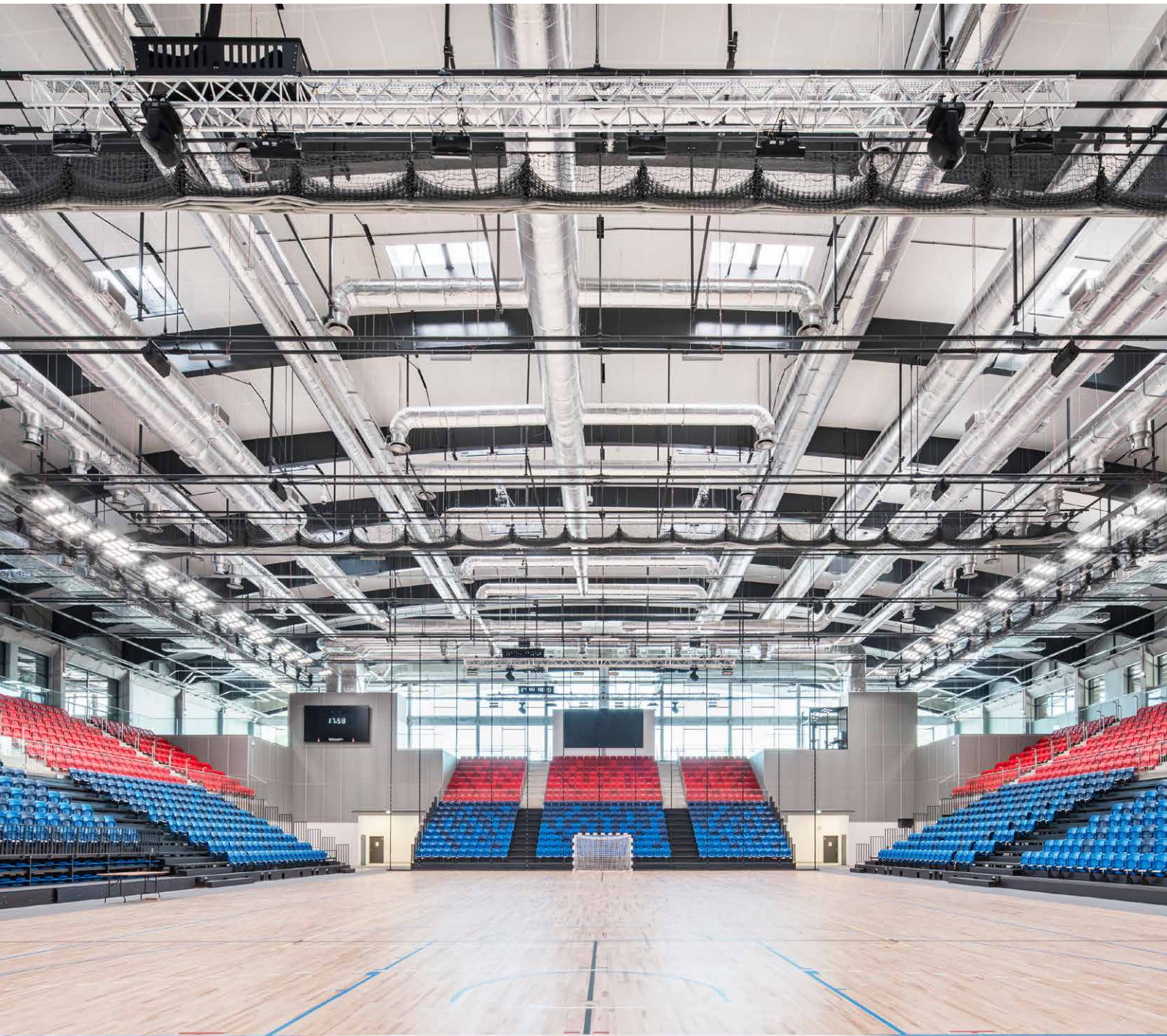


DATASHEET

# 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> )* |
|--|------------------|-----------------------------|--------------------------|---|------------------|--|---|
| <br>A24     | 600 x 600 x 40   | 4,1                         | 150 / Not demountable    | Rockfon® System T24 A Impact 2A/3A™       | 39%              | 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™      |                          |   |                  |  |   |
| <br>A HAT | 600 x 600 x 40   | 4,1                         | 41 / Not demountable     | Rockfon® System HAT A™                    | 39%              | 3,47   | 4,68  |
|  | 1200 x 600 x 40  |                             | 41 / Not demountable     | Rockfon® System HAT A™                    |                  |  |   |
| <br>AEX   | 1166 x 1166 x 40 | 4,1                         | 180 / 180                | Rockfon® System Olympia Plus A Impact 1A™ | 39%              | 3,47   | 4,68  |

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

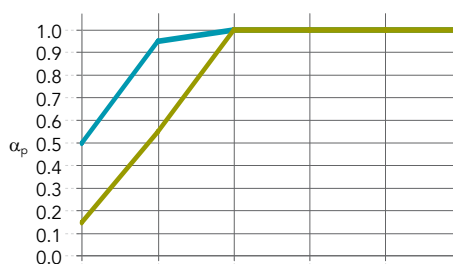
\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/cee-epd](https://rockfon.link/cee-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## 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



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



**Recyclability**  
 Fully recyclable stone wool



**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)  
 For direct mounting and depending on the degree of impact you can choose between two systems:

40mm: Class 1A (Rockfon System HAT A with 1,0 mm thick HAT profile). For light impact applications you can use HAT profiles with a steel thickness of 0,7 mm providing no impact class.

Tested in accordance with EN13964-Annex D. Impact resistance classifications confirm the system's capability to withstand incidental or occasional impact. The woven surface of Rockfon Samson provides enhanced resistance to perforation, tested in accordance with NF P 08-301.



**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 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.

# Sounds Beautiful

