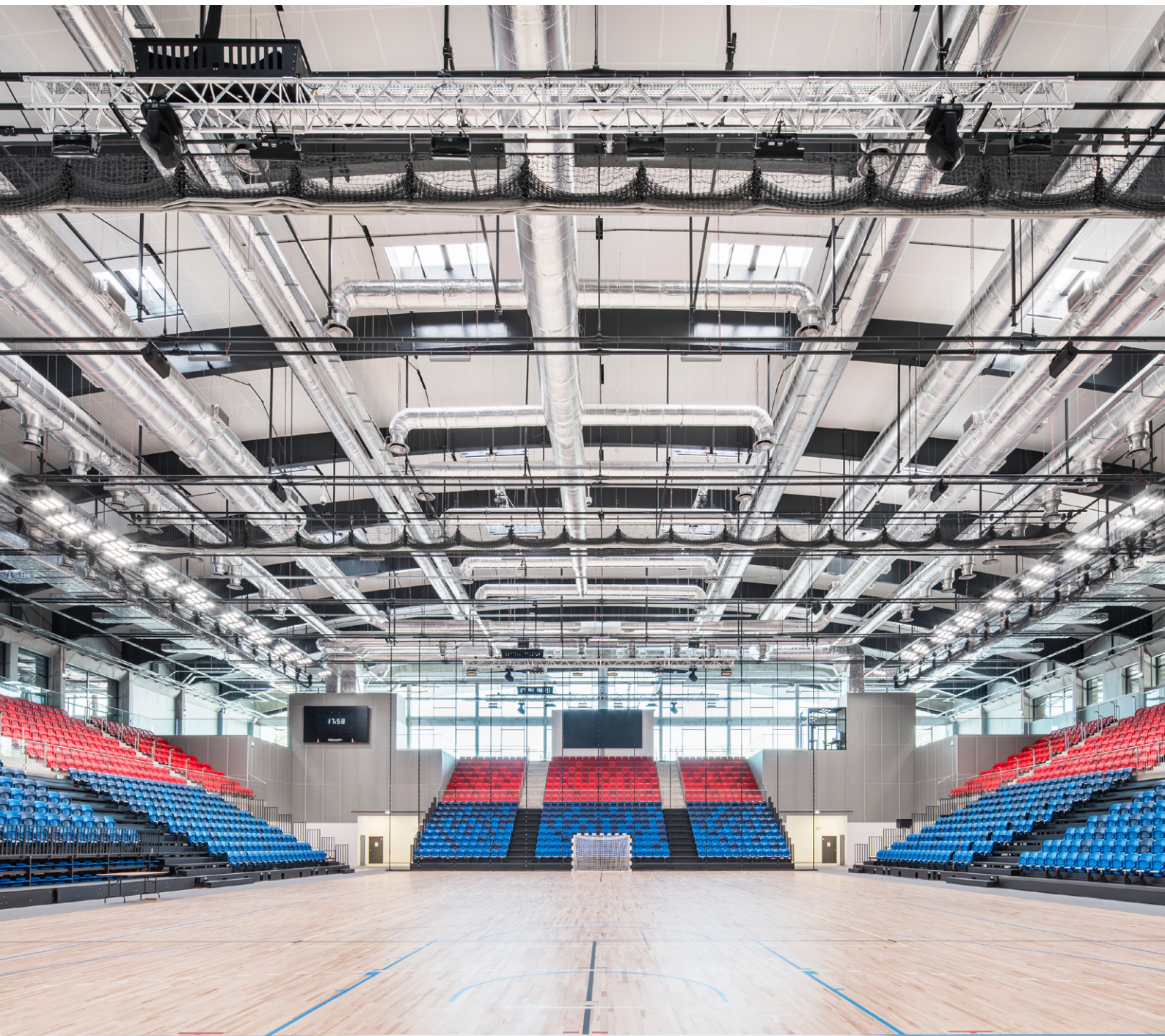


DATASHEET

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 ²) | Recycled content | A1-A3 Production stage impact (kg CO ₂ eq/m ²)* | A1-C4 Full life cycle impact (kg CO ₂ eq/m ²)* |
|---|------------------|-----------------------------|------------------|--|---|
| A24  | 600 x 600 x 40 | 4.1 | 39% | 3.47 | 4.68 |
| | 1200 x 600 x 40 | | | | |
| | 1800 x 600 x 40 | | | | |
| | 2400 x 600 x 40 | | | | |
| | 1200 x 1200 x 40 | | | | |
| AEX  | 1166 x 1166 x 40 | 4.1 | 39% | 3.47 | 4.68 |

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

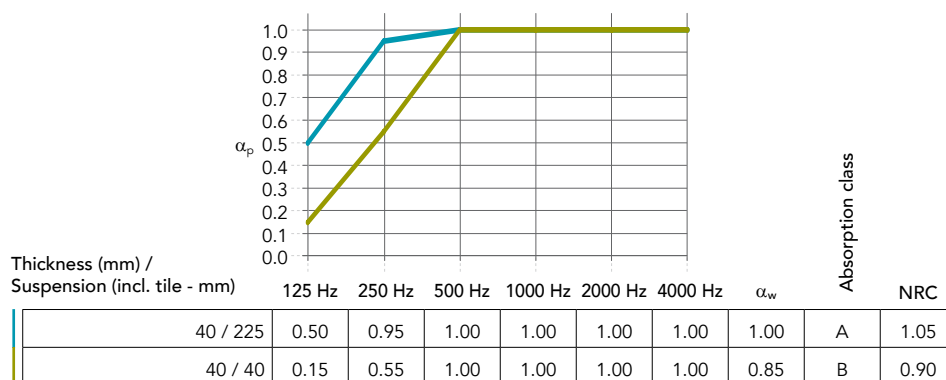


Performance



Sound absorption

α_w : up to 1.00 (Class A)



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



Impact resistance

40 mm: Class 1A (Rockfon System Olympia^{Plus} 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.



Hygiene

Stone wool provides no sustenance to microorganisms



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 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

