

DATASHEET

Rockfon Sonar®



Rockfon Sonar®

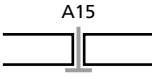

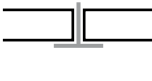

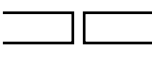

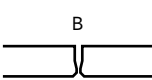

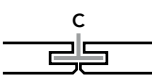

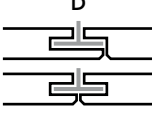


- Aesthetic white, micro-textured surface for most applications
- Highest sound absorption/Class A sound absorption and highest fire safety (Class A1)
- Full range of formats and edges for complete design freedom
- Easy to clean with a vacuum and damp cloth

Product Description

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

Application Areas

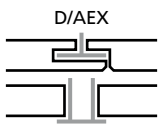



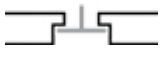


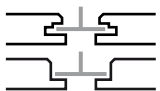


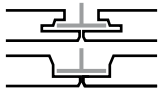




- Office
- Healthcare
- Education
- Leisure
- Retail

| 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)* |
|---|-------------------------------------|-----------------------------|--------------------------------|----------------------------------|------------------|---|--|---|
|  A15 | 600 x 600 x 20 | 2,3 | 50 / 100 | Rockfon® System T15 A™ | 34% |  | 2,29 | 2,88 |
| | 1200 x 600 x 20 | | 50 / 100 | Rockfon® System T15 A™ | | | | |
|  A24 | 600 x 600 x 20 | 2,3 | 50 / 100 | Rockfon® System T24 A™ | 34% |  | 2,29 | 2,88 |
| | 1200 x 600 x 20 | | 50 / 100 | Rockfon® System XL T24 A™ | | | | |
| | 1800 x 600 x 20 | | 50 / 100 | Rockfon® System T24 A™ | | | | |
| | | | 50 / 100 | Rockfon® System T24 A™ | | | | |
| | 2400 x 600 x 25 1200 x 1200 x 25 | 50 / 100 | Rockfon® System XL T24 A™ | | | | | |
| | | 50 / 150 | Rockfon® System Bandrastrer A™ | | | | | |
|  As | 600 x 600 x 20 | 2,3 | 24/ Not demountable | Rockfon® System A Adhesive™ | 35% |  | 2,29 | 2,88 |
| | 1200 x 600 x 20 | 24/ Not demountable | Rockfon® System A Adhesive™ | | | | | |
| | 600 x 600 x 40 1200 x 600 x 40 | 4,1 | 44/ Not demountable | Rockfon® System A Adhesive™ | | | | |
| | | 44/ Not demountable | Rockfon® System A Adhesive™ | | | | | |
|  B | 600 x 600 x 20 | 3,4 | 24 / Not demountable | Rockfon® System B Adhesive™ | 36% |  | 2,57 | 3,63 |
| | 1200 x 600 x 20 | | 24 / not demountable | Rockfon® System B Adhesive™ | | | | |
|  C | 600 x 600 x 20 | 3,4 | 24 / not demountable | Rockfon® System C direct™ | 36% |  | 2,57 | 3,63 |
| | 1200 x 600 x 20 | | 24 / not demountable | Rockfon® System C direct™ | | | | |
|  D | 600 x 600 x 20 | 3,4 | 62 / 72 | Rockfon® System XL T24 D™ | 36% |  | 2,57 | 3,63 |
| | 1200 x 600 x 20 | | 120 / 120 | Rockfon® System T24 Stepped Z D™ | | | | |
| | 1500 x 600 x 20 | | 120 / 120 | Rockfon® System T24 Stepped Z D™ | | | | |
| | 1800 x 600 x 20 | | 120 / 120 | Rockfon® System T24 Stepped Z D™ | | | | |
| | 2100 x 600 x 25 | 4,1 | 120 / 120 | Rockfon® System T24 Stepped Z D™ | 37% |  | 2,99 | 4,3 |
| | 2400 x 600 x 25 | | 120 / 120 | Rockfon® System T24 Stepped Z D™ | | | | |
| | 900 x 900 x 25 | | 120 / 120 | Rockfon® System T24 Stepped Z D™ | | | | |
| | 1200 x 1200 x 25 | | 120 / 120 | Rockfon® System T24 Stepped Z D™ | | | | |

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.

| 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)* |
|---|------------------|-----------------------------|--------------------------|---------------------------------------|------------------|---|--|---|
|  | 1200 x 300 x 20 | 3,4 | 100 / 150 | Rockfon® System Bandraester Dznl/AEX™ | 36% |  | 2,57 | 3,63 |
| | 1500 x 300 x 20 | | 100 / 150 | Rockfon® System Bandraester Dznl/AEX™ | | | | |
| | 1800 x 300 x 20 | | 100 / 150 | Rockfon® System Bandraester Dznl/AEX™ | | | | |
| | 1200 x 600 x 20 | | 100 / 165 | Rockfon® System Bandraester Dznl/AEX™ | | | | |
| | 1500 x 600 x 20 | | 100 / 165 | Rockfon® System Bandraester Dznl/AEX™ | | | | |
| | 1800 x 600 x 20 | | 100 / 165 | Rockfon® System Bandraester Dznl/AEX™ | | | | |
|  | 600 x 600 x 20 | 2,8 | 60 / 100 | Rockfon® System T15 E™ | 35% |  | 3,15 | 3,94 |
| | 1200 x 600 x 20 | | 60 / 100 | Rockfon® System T15 E™ | | | | |
|  | 600 x 600 x 20 | 2,8 | 60 / 100 | Rockfon® System T24 E™ | 35% |  | 3,15 | 3,94 |
| | 1200 x 600 x 20 | | 60 / 100 | Rockfon® System XL T24 E™ | | | | |
| | 1500 x 600 x 20 | | 60 / 100 | Rockfon® System T24 E™ | | | | |
| | 1800 x 600 x 20 | | 60 / 100 | Rockfon® System T24 E™ | | | | |
| | 2100 x 600 x 25 | | 60 / 100 | Rockfon® System XL T24 E™ | | | | |
| | 2400 x 600 x 25 | 3,4 | 60 / 150 | Rockfon® System T24 E™ | 36% |  | 3,38 | 4,34 |
| | 900 x 900 x 25 | | 60 / 150 | Rockfon® System T24 E™ | | | | |
| | 1200 x 1200 x 25 | | 60 / 150 | Rockfon® System T24 E™ | | | | |
|  | 600 x 600 x 20 | 3,4 | 64 / 64 | Rockfon® System T24 M™ | 36% |  | 2,57 | 3,63 |
| | 1200 x 600 x 20 | | 64 / 64 | Rockfon® System T24 M™ | | | | |
| | 1800 x 600 x 20 | | 64 / 64 | Rockfon® System T24 M™ | | | | |
| | 900 x 900 x 25 | 4,1 | 64 / 64 | Rockfon® System T24 M™ | 37% |  | 2,99 | 4,3 |
|  | 1200 x 300 x 22 | 3,7 | 66 / 66 | Rockfon® System T24 X™ | 36% |  | 3,28 | 4,39 |
| | 1800 x 300 x 22 | | 104 / 104 | Rockfon® System T24 X DLC™ | | | | |
| | | | 66 / 66 | Rockfon® System T24 X™ | | | | |
| | 600 x 600 x 22 | | 104 / 104 | Rockfon® System T24 X DLC™ | | | | |
| | | | 66 / 66 | Rockfon® System T24 X™ | | | | |
| | 1200 x 600 x 22 | | 104 / 104 | Rockfon® System T24 X DLC™ | | | | |
| | | | 66 / 66 | Rockfon® System T24 X™ | | | | |
| | 1800 x 600 x 22 | | 104 / 104 | Rockfon® System T24 X DLC™ | | | | |
| | | 66 / 66 | Rockfon® System T24 X™ | | | | | |
| | 2400 x 600 x 25 | 4,1 | 104 / 104 | Rockfon® System T24 X DLC™ | 37% |  | 2,99 | 4,3 |
| 900 x 900 x 25 | 66 / 66 | | Rockfon® System T24 X™ | | | | | |
|  | 600 x 600 x 20 | 3,4 | 64 / 64 | Rockfon® System T24 Z™ | 36% |  | 2,57 | 3,63 |
| | 1200 x 600 x 20 | | 64 / 64 | Rockfon® System T24 Z™ | | | | |
| | 1800 x 600 x 20 | | 64 / 64 | Rockfon® System T24 Z™ | | | | |
| | 900 x 900 x 25 | | 64 / 64 | Rockfon® System T24 Z™ | 37% | | | |

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

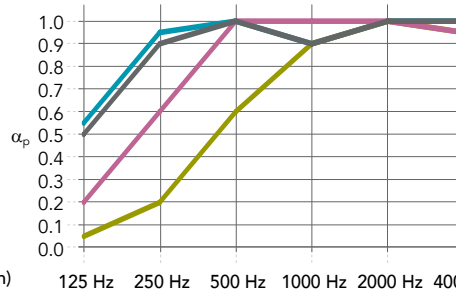
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Performance



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: 20-25 / 200 | 0.55 | 0.95 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | A | 1.00 |
| As (+gap): 20 / 20 | 0.05 | 0.20 | 0.60 | 0.90 | 1.00 | 0.95 | 0.50 | D | 0.65 |
| As (+gap): 40 / 40 | 0.20 | 0.60 | 1.00 | 1.00 | 1.00 | 0.95 | 0.90 | A | 0.90 |
| E: 20-25 / 200 | 0.50 | 0.90 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | A | 1.00 |



Reaction to fire
 A1



Light reflection
 85 %



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



Cleaning
 - Vacuum
 - Damp cloth
 - Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide



Hygiene
 Stone wool provides no sustenance to microorganisms



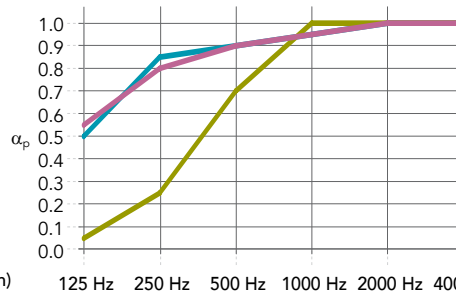
Clean Room
 ISO Class 5



Impact resistance
 Class 3A (Fastening clip)
 Impact resistance of Rockfon Sonar with edge Z or M mounted with fastening clip has been tested in accordance with EN13964 – Annex D and approved as Class 3A.



Recyclability
 Fully recyclable stone wool



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

| | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | α_w | Absorption class | NRC |
|--------------------------|--------|--------|--------|---------|---------|---------|------------|------------------|------|
| Other edges: 20-25 / 200 | 0.50 | 0.85 | 0.90 | 0.95 | 1.00 | 1.00 | 0.95 | A | 0.95 |
| Other edges: 20 / 20 | 0.05 | 0.25 | 0.70 | 1.00 | 1.00 | 1.00 | 0.55 | D | 0.75 |
| X: 22 / 200 | 0.55 | 0.80 | 0.90 | 0.95 | 1.00 | 1.00 | 0.95 | A | 0.95 |



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

