

DATASHEET

# Rockfon® Boxer™



**Sounds Beautiful**

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- Highly impact-resistant, ideal for schools and sports facilities
- Excellent sound absorption for noisy and reverberant areas
- Meets the requirements of maximum impact resistance (Class 1A) when installed in Rockfon System Olympia<sup>Plus</sup> A Impact 1A

## Product Description

- Stone wool tile
- Visible side: micro-textured white reinforced fleece
- Rear side: back fleece

## Application Areas

- Education

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS / MS easy access (mm)	Recommended installation System	Recycled content	Cradle to Cradle Certified®	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 20	2.4	50 / 100	Rockfon® System T24 A Impact 2A/3A™	31%		2.23	2.82
	1200 x 600 x 20		50 / 100	Rockfon® System T24 A Impact 2A/3A™				
	1800 x 600 x 20		50 / 100	Rockfon® System T24 A™				
	2100 x 600 x 20		50 / 100	Rockfon® System T24 A™				
	2400 x 600 x 20		50 / 100	Rockfon® System T24 A™				
	600 x 600 x 40	4.1	50 / 200	Rockfon® System T24 A Impact 2A/3A™	34%		3.17	4.13
	1200 x 600 x 40		50 / 200	Rockfon® System T24 A Impact 2A/3A™				
	1800 x 600 x 40		50 / 200	Rockfon® System T24 A™				
2400 x 600 x 40	50 / 200		Rockfon® System T24 A™					
 AEX	1166 x 1166 x 40	4.1	180 / 180	Rockfon® System Olympia Plus A Impact 1A™	34%		3.17	4.13

MS = Minimum Suspension

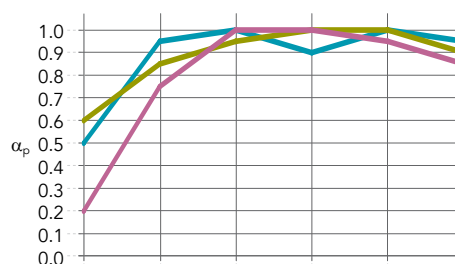
\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/uk-epd](https://rockfon.link/uk-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## 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
20 / 200	0.50	0.95	1.00	0.90	1.00	0.95	1.00	A	0.95
40 / 225	0.60	0.85	0.95	1.00	1.00	0.90	1.00	A	0.95
40 / 40	0.20	0.75	1.00	1.00	0.95	0.85	0.95	A	0.95



**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.



**Light reflection**  
 85%



**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



**Thermal insulation**  
 Thermal conductivity:  
 $\lambda_D = 37 \text{ mW/mK (40mm)}$



**Impact resistance**  
 20 mm : Class 3A (Rockfon System T24 A Impact 2A/3A)  
 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.



**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.

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