

DATASHEET

Rockfon® Boxer



Sounds Beautiful

Rockfon® Boxer

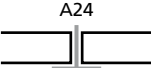

- Highly impact-resistant micro-textured white, ideal for schools and sports facilities
- Excellent sound absorption for noisy and reverberant areas
- Meets the requirements of maximum impact resistance (Class 1A) when installed in Rockfon System OlympiaPlus A Impact 1

Product Description

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

Application Areas

- Education

Edge detail	Module size (mm)	Approximate weight (kg/m ²)	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)*
	600 x 600 x 20	2.4	Rockfon® System XL T24 A™	45%		2.23	2.82
	1200 x 600 x 20		Rockfon® System T24 A Impact 2A/3A™				
			-				
			Rockfon® System T24 A™				
	1800 x 600 x 20		Rockfon® System T24 A Impact 2A/3A™				
		-					
		Rockfon® System XL T24 A™					
	600 x 600 x 40	4.1	-	45%		3.17	4.13
	1200 x 600 x 40		Rockfon® System T24 A™				
			Rockfon® System T24 A Impact 2A/3A™				

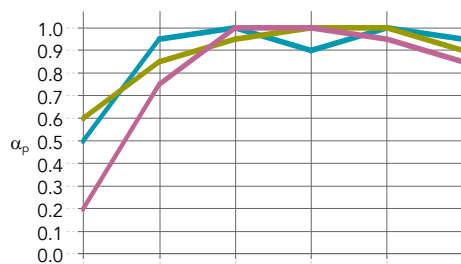
* For full environmental impact disclosure, see our product EPDs available on rockfon.link/int-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



Performance



Sound absorption
 α_w : up to 1.00 (Class A)



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

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_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



Light reflection
 85%



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



Cleaning
 - Vacuum
 - Damp cloth



Hygiene
 Stone wool provides no sustenance to microorganisms



Thermal insulation
 Thermal conductivity:
 $\lambda_D = 37 \text{ mW/mK}$
 Thermal resistance:
 40 mm: $R = 1,05 \text{ m}^2\text{K/W}$



Impact Resistance
 20 mm : Class 3A (Rockfon System 3810)
 40 mm : Class 2A (Rockfon System 3810)
 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 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.

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