

DATASHEET

# Rockfon® Boxer™



**Sounds Beautiful**

# Rockfon® Boxer™

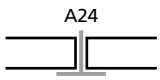


- Highly impact-resistant micro-textured white, ideal for high activity areas such as schools and sports facilities
- High sound absorption (Class A) and the highest fire safety (Class A1)
- Basic range of dimensions and edges

## Product Description

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

## Application Areas

- Education

Edge detail	Module size (mm)	Approximate weight (kg/m <sup>2</sup> )	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	Chicago Metallic™ T15 4070	31%		2.23	2.82
	1200 x 600 x 20		Chicago Metallic™ T24 1812				
			Chicago Metallic™ T24 3810				
			Chicago Metallic™ T15 4070				
			Chicago Metallic™ T24 1812				
	1800 x 600 x 20		Chicago Metallic™ T24 3810				
		Chicago Metallic™ T15 4070					
	600 x 600 x 40	4.1	Chicago Metallic™ T15 4070	34%		3.17	4.13
	1200 x 600 x 40		Chicago Metallic™ T24 3810				
			Chicago Metallic™ T15 4070				
Chicago Metallic™ T24 3810							
			Chicago Metallic™ T15 4070				

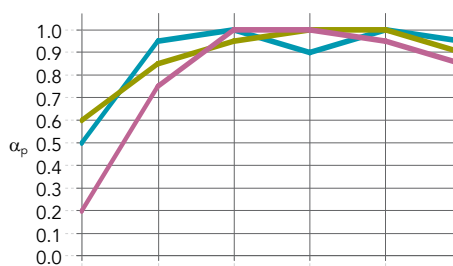
\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/int-epd](https://rockfon.link/int-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## Performance



**Sound absorption**  
 $\alpha_w$ : 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



**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 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.

12.2023 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.

# Sounds Beautiful

