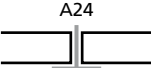# Rockfon® Boxer

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

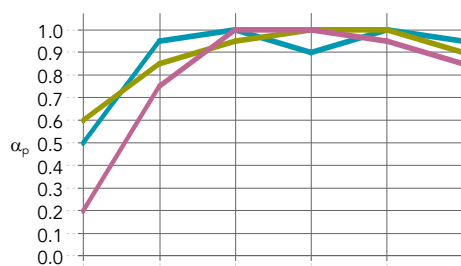| Edge detail	Module size (mm)	Approximate weight (kg/m²)	Recommended installation System	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO_2 eq/m²)*	A1-C4 Full life cycle impact (kg CO_2 eq/m²)*
A24	600 x 600 x 20	2.4	Rockfon® System XL T24 A™	31%	CERTIFIED cradle to cradle SILVER	2.23	2.82
			Rockfon® System T24 A Impact 2A/3A™				
			-				
	1200 x 600 x 20		Rockfon® System T24 A™				
			Rockfon® System T24 A Impact 2A/3A™				
			-				
	1800 x 600 x 20		Rockfon® System XL T24 A™				
			-				
			-				
	600 x 600 x 40	4.1	-	34%		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/0N

Cleaning
- Vacuum
- Damp cloth

Hygiene
Stone wool provides no sustenance to microorganisms

Thermal insulation
Thermal conductivity:
λ_D = 37 mW/mK
Thermal resistance:
40 mm: R = 1,05 m²K/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:

THE INDOOR CLIMATE LABEL

M1 · EMISSION CLASS FOR BUILDING MATERIAL · RTS ·

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.

Rockfon production facilities are certified according to the ISO 9001 and ISO 14001 management systems standards.

Sounds Beautiful

Part of ROCKWOOL Group / **en.rockfon.international**