

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^{Plus} 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 ²)	MS / MS easy access (mm)	Recommended installation System
 <p>A24</p>	600 x 600 x 20	2.4	50 / 100	Rockfon® System T24 A Impact 2A/3A™
	1200 x 600 x 20	2.4	50 / 100	Rockfon® System T24 A Impact 2A/3A™
	1800 x 600 x 20	2.4	50 / 100	Rockfon® System T24 A™
	2100 x 600 x 20	2.4	50 / 100	Rockfon® System T24 A™
	2400 x 600 x 20	2.4	50 / 100	Rockfon® System T24 A™
	600 x 600 x 40	4.1	50 / 200	Rockfon® System T24 A Impact 2A/3A™
	1200 x 600 x 40	4.1	50 / 200	Rockfon® System T24 A Impact 2A/3A™
	1800 x 600 x 40	4.1	50 / 200	Rockfon® System T24 A™
 <p>AEX</p>	2400 x 600 x 40	4.1	50 / 200	Rockfon® System T24 A™
	1166 x 1166 x 40	4.1	180 / 180	Rockfon® System Olympia Plus A Impact 1A™

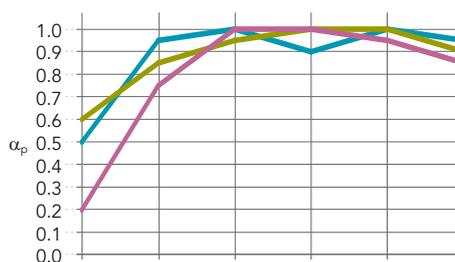
MS = Minimum Suspension



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



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/ON



Cleaning
 - Vacuum
 - Damp cloth



Hygiene
 Stone wool provides no sustenance to microorganisms



Environment
 Fully recyclable stone wool
 The recycled content of Rockfon products is between 29% and 64% according to ISO 14021.
 Rockfon acoustic solutions are Cradle to Cradle Certified® Silver and Bronze (depending on product type).



Carbon footprint
 Cradle-to-Gate 2.43 - 4.02 kg of CO₂ eq. (based on third party verified EPD)
 Cradle-to-Grave 3.19 - 5.38 kg of CO₂ eq. (based on third party verified EPD)



Indoor environment
 A selection of Rockfon products have been awarded the Finnish M1 emission classification for building materials and the Danish Indoor Climate Label for low emission products



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^{Plus} 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.



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