

Rockfon® Boxer™

Datasheet



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

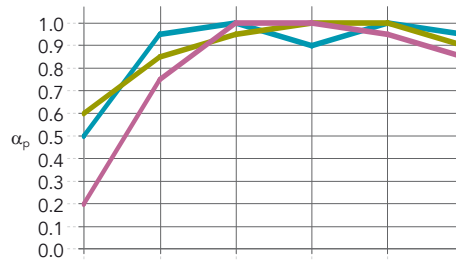
Edge detail	Module size (mm)	Approximate weight (kg/m ²)	Recommended installation System
 <p>A24</p>	600 x 600 x 20	2.4	Chicago Metallic™ T24 3810
		2.4	Chicago Metallic™ T24 1812
		2.4	Chicago Metallic™ T15 4070
	1200 x 600 x 20	2.4	Chicago Metallic™ T24 3810
		2.4	Chicago Metallic™ T24 1812
		2.4	Chicago Metallic™ T15 4070
	1800 x 600 x 20	2.4	Chicago Metallic™ T24 3810
		2.4	Chicago Metallic™ T24 1812
		2.4	Chicago Metallic™ T15 4070
	600 x 600 x 40	4.1	Chicago Metallic™ T24 3810
		4.1	Chicago Metallic™ T15 4070
	1200 x 600 x 40	4.1	Chicago Metallic™ T24 3810
		4.1	Chicago Metallic™ T15 4070



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 / 205	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. There will always be some dust/dirt on the panels after some time, and with regular exposure to high humidity this could lead to fungi growth. Please avoid condensation on the panel
 C/0N



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
 2.43 - 4.01 kg of CO2 eq.
 (cradle to gate based on 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:
 $\lambda_D = 37 \text{ mW/mK}$
 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.



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