

DATASHEET

Rockfon Humitec® Baffle



Sounds Beautiful

Rockfon Humitec® Baffle



- Flexible free-hanging acoustic solutions, perfect for humid or harsh indoor atmospheres or for areas that require regular cleaning
- Built to withstand humid and corrosive Class D environments
- Comes with a robust and durable frame that protects the panel edges from damages and ensures cleanliness
- Ideal for areas where frequent or unhindered access to services is required

Product Description

- Panel: Micro-textured white painted, water repellent fleece
- Frame: White powder coated hot galvanised steel with the multi-functional clip that offers several mounting methods.

Application Areas

- Healthcare
- Leisure
- Industry

Edge detail	Module size (mm)	Approximate weight (kg/unit)	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)*
4F 	1200 x 450 x 50	3.4	Rockfon® System Humitec Baffle™	36%		4.09	5.21
	1200 x 600 x 50	4.2	Rockfon® System Humitec Baffle™				

Edge detail 4F = 4 Framed

* 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.



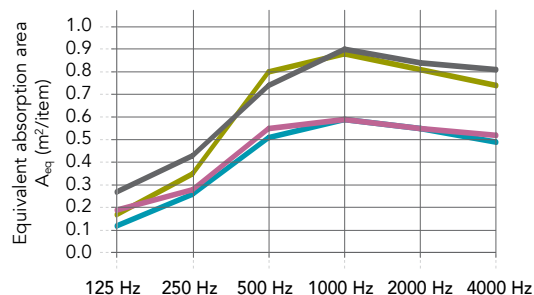
Performance



Sound absorption

A_{eq} (m²/item)

C - center distance between baffles' rows,
H - suspension height: net distance between baffle
and the soffit



	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1200x300x50 - Baffles in rows, C300, H300	0.12	0.26	0.51	0.59	0.55	0.49
1200x600x50 (4F) - Baffles in rows, C1200, H300	0.17	0.35	0.80	0.88	0.81	0.74
1200x600x50 (4F) - Baffles in rows, C600, H40	0.19	0.28	0.55	0.59	0.55	0.52
1200x600x50 (4F) - Baffles in rows, C1200, H40	0.27	0.43	0.74	0.90	0.84	0.81



Reaction to fire

A2-s1,d0



Light reflection

85%



Cleaning

- Vacuum
- Damp cloth
- Steam cleaning (twice a year)
- Low pressure foam cleaning
- High pressure cleaning: Max. 80 bar, min. 1 meter distance, water spread at a 30° angle
- Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide



Hygiene

Stone wool provides no sustenance to microorganisms



Surface durability

Enhanced durability and dirt resistance.



Safety against failure

Class D (40°C, 95% RH)

According to EN13964:2014



Corrosion resistance

Class D (EN13964)



Clean Room

ISO Class 2



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 EUCB certification.

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