

Rockfon Humitec Baffle



Rockfon Humitec Baffles are framed panels that can be vertically-hung in areas of high humidity and corrosivity. The durable surface and frame are dust, dirt and chemical-resistant making them ideal for aquatic centres. Very-high acoustic absorption properties are complemented by the diffusion characteristics of the panels that minimise reflected sound. Baffles can be hung in random patterns, linear designs or at varying suspension heights.

Physical Description

- Stone wool panel
- Micro-textured, water repellent fleece
- Edge: White powder coated hot-dipped galvanised with multi-mount bracket

Application Areas

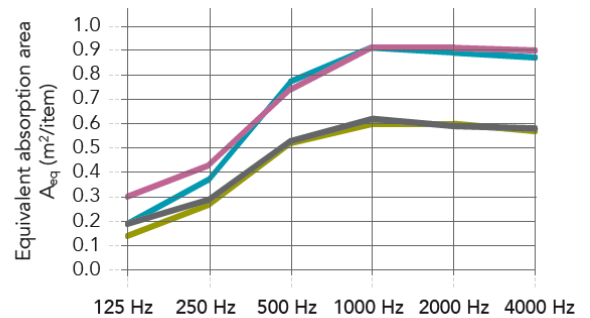
- Aquatic Centre
- Healthcare
- Industry

Acoustic Properties



A_{eq} (m²/item)

*Further acoustic data available. Contact Modern Supplies for technical support



	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1200x600x50 (2F) - Baffles in rows, C1200, H300	0.19	0.37	0.77	0.91	0.89	0.87
1200x600x50 (2F) - Baffles in rows, C600, H300	0.14	0.27	0.52	0.60	0.60	0.57
1200x600x50 (2F) - Baffles in rows, C1200, H40	0.30	0.43	0.74	0.91	0.91	0.90
1200x600x50 (2F) - Baffles in rows, C600, H40	0.19	0.29	0.53	0.62	0.59	0.58

What is Rockfon?

All Rockfon products comprise a non-combustible stone wool core that is non-hygroscopic and provides no sustenance for mould and microbes. The use of a backing fleece improves product performance and resilience, ensuring panels remain free from fractures and site-damage where panels are subject to frequent demounting. Products will maintain dimensional stability in environments with fluctuating humidity up to RH100. All Rockfon Materials are warranted against manufacturing defects for 15-Years and have a declared service life of not less than 50-Years

Material Properties



Stone wool is non-hygroscopic and provides no sustenance for microbes



Up to RH100 - No visible deflection to EN 13964
No on-site acclimatisation required



- Vacuum
- Damp cloth
- Dry 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



Light Reflectance 85% to ISO 7724-2



44% Recycled Content to ISO-14021. Recyclable at end-of-life



Non-combustible to AS1530.1
Group 1 to AS5637.1:2015



LEED v4.0 Certification. Low emission



Up to 15-years warranty against manufacturing faults
Refer to warranty and installation guidelines

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Example Specification Wording

AP-01 Acoustic Panels

Material: Rockfon Humitec Baffle

Format: **1200 x 600**mm with white powder coat hot-dipped galvanised frame

Finish: White micro-textured, water-repellent fleece

Sound Absorption: *Refer to specification absorption area calculation—Contact Modern Supplies*

Light Reflectance: 85% to ISO 7724-2

Moisture: RH100 sag-resistant non-hygroscopic antimicrobial stone wool core

Installation: Fix to substrate on proprietary suspension system

Fire: Non-Combustible to AS1530.1 & Group 1 to AS5637.1:2015

Warranty: Up to 15-Years against manufacturing defects and visible sag

Lead Time: Custom item—Allow 14-weeks for project quantities

Sustainability: LEED v4.0 Certification

Example Image



Format

Edge Detail	Format (mm)*	Approximate Weight (kg/unit)	Installation System
 4F	1200 x 450 x 50	3.4	Multiple options available. Please contact us for information
	1200 x 600 x 50	4.2	

Edge detail 4F = 4 Framed

Supplied by



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