QUIETSTONE
Innovative acoustics

Quietstone®
Durable, versatile sound absorber.

Truly multi functional sound absorbers.

Rigid, durable sound absorption panels with a unique aesthetic appeal.

Quietstone is made from specially bonded aggregates. This produces a porous panel with excellent sound absorption capabilites. They also have a unique aesthetic appeal to compliment modern architecture.

Advantages	
• High sound absorption	
• Non combustible -	class 1 of BS476: Part 6, class 0 of BS476: Part 7
• Weather resistant -	impervious to frost and rain
• Durable -	high impact resistance and can be easily cleaned
• Attractive -	aesthetically pleasing finish can be pigmented to suit surroundings

Applications
• Train stations
• Tunnel lining
• Sports halls
• Swimming pools
• Bars/nightclubs/restaurants
• Healthcare buildings
• Schools
• Airports
• Road/rail noise barriers
• Police interview rooms

Close up

SOUND ABSORPTION UK LTD.
Unit 8, Langley Business Park, Langley, Macclesfield, Cheshire, SK11 0DG, UK
Tel : +44 (0)1260 253 253 **Fax :** +44 (0)1260 253 337 **Email :** info@quietstone.co.uk
www.quietstone.co.uk

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Bespoke

- We are able to make bespoke solutions if you give give us a clear indication of what you need. This has included designing custom finishes for nightclubs, Bespoke mounting systems for high impact areas and working with our partners in bespoke barriers, Van Campen Aluminium on environmental noise projects. We welcome any innovative ideas you may have.

Installation

- Because of the durability and manufacturing flexibility, there are many different installation methods from invisible mounting to the rear of the panels with an aluminium frame, to simply mounting on timber batterns with cementicious adhesive. Visit the website for more detailed examples.

Finish options

- Below are some samples made for swimming pools. We can match nearly any RAL colour.

Physical properties

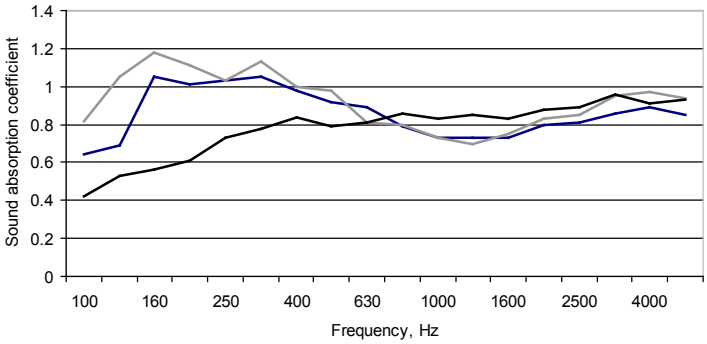
- Standard thickness: 28mm
- Width: 500mm
- Length: 500mm
- Other sizes are available on request
- Weight: 40Kg/m^2
- Compression Strength: 10.5x103 kN/

Fire Safety

- Quietstone meets the requirements of class 1 of BS476: Part 6: 1989 and class O of BS476: Part 7 1997.

Acoustic performance

- Data provided by the University of Salford and the TNO, Delft. Please contact us should you require copies of results. BS EN ISO 354: 2003



Test 1: 30mm panel, 50mm Rockwool, 40mm air gap.

Test 2: 30mm panel, 50mm Rockwool, 100mm air gap.

Test 3: 30mm panel, 50mm air gap, 50mm Rockwool.

	Sound absorption coefficients, α_p						EN-ISO 11654 α_w
	125 Hz	250Hz	500Hz	1000Hz	2000Hz	4000HZ	
Test 1	0,80	1,05	0,95	0,75	0,80	0,85	0,80 (L); class B
Test 2	1,00	1,10	0,95	0,75	0,80	0,95	0,85 (L H); class B
Test 3	0,50	0,70	0,80	0,85	0,85	0,95	0,85; class B

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