



Sustainable, versatile sound absorbers.

Rigid, lightweight panels

Quietstone Light is made from upcycled glass. This is the glass that could not be recycled and would otherwise go to landfill. It is presented here as expanded glass beads, bonded together. The result is a porous panel with sound absorption like a fibrous material, but with the added benefits of being weather resistant, easy to cut, non fibrous, inert and sustainable.

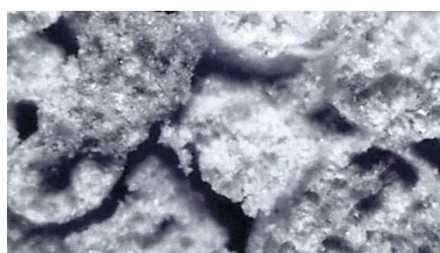


Advantages

- High sound absorption
- Non combustible
- Weather resistant
- Lightweight
- Non fibrous
- Non toxic and VOC free
- Long life span
- Sustainable
- Easy to cut on site
- Self bearing
- High durability
- Can be moulded to shape or made flexible to fit curves

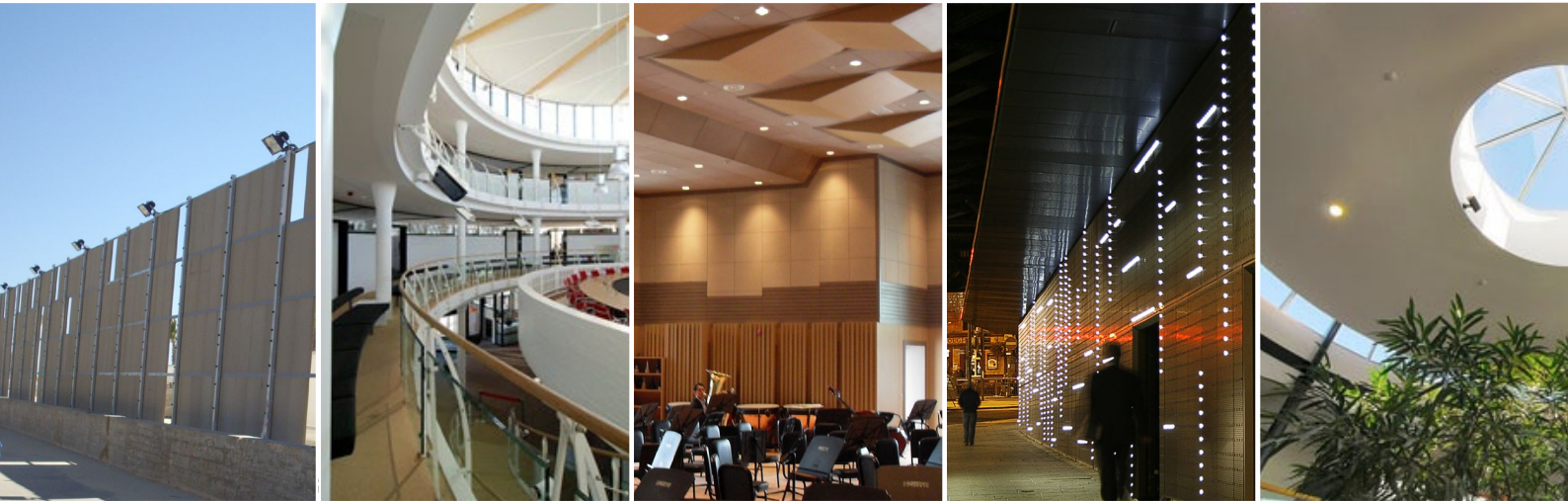
Applications

- Absorptive noise barriers
- Base for seamless acoustic plaster finishes
- Now replaces [Reapor](#) for external settings
- Outdoor areas
- Swimming pools, spas
- Sports halls
- Ducts
- Tunnel lining
- Health care
- Plant enclosures
- Site noise
- Facades
- Outdoor generators
- Machinery enclosures
- Train stations
- Smoking areas
- Schools



Physical properties

- Standard thicknesses: 25, 50 mm
- Width: 600 mm
- Length: 1200 mm
- Weight at 25mm: 8 Kg/m²
- Other sizes are available on request
- Colours: many available



Installation

Working with Quietstone Light

One of the main advantages of Quietstone Light is the ease of installation. Panels can be worked using normal woodwork equipment and a dust mask. We can adjust the adhesive to create very flexible panels. Likewise, if you want an even surface on flat walls, our standard panels are ideal.

Bonding can be achieved using either adhesive or mechanical fixing depending on substrate and setting.

Ceresit CM18 Easyflex

We can provide Ceresit CM18 thin-bed adhesive mortar which will adhere to all solid, load-bearing surfaces. This allows for very rapid, economical installation by simply mixing with water and applying to the substrate using a notched spreader. The panels can then be applied to the substrate which gives immediate grab.

Fire safety

BS476: Part 6: 1989 - Class 1

BS476: Part 7: 2007 - Class 0

Moisture resistance

Will not sag or stain as a result of moisture exposure

Acoustic performance

Sound absorption data provided by the University of Salford, School of Computing, Science and Engineering. Tested to the BS EN ISO 354: 2003 standard

Mounting Parameters	Sound absorption coefficients, α_p						EN-ISO 11654 α_w	Comments relating to EN ISO 11654:1997 reference curve
	125 Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz		
25 mm, 50 mm air gap	0.10	0.30	0.75	0.85	0.65	0.90	0.60 (M) (H): class C	Higher by at least 0.25 in 2 frequency bands
25 mm, 50 mm Rockwool 80Kg/m ²	0.55	1.05	1.10	0.90	0.80	0.90	0.90 (L): class A	Higher by at least 0.25 in 1 frequency band
50 mm, flush	0.10	0.35	0.85	0.95	0.85	0.85	0.65 (M) (H) (H): class C	Higher by at least 0.25 in 3 frequency bands
50 mm, 25mm air gap	0.20	0.65	1.00	0.90	1.00	1.00	0.85 (M) (H) (H): class B	Higher by at least 0.25 in 3 frequency bands

Noise barriers and tunnels

Quietstone Light makes a perfect addition to noise barriers and tunnel lining. pre-installed reflective noise barriers can be made absorptive by simple bonding the panels to them. The panels are resistant to weather, impact, animal infestation and have a long life-span without any additional treatment.

Seamless acoustic spray system

Asona Benelux BV are now using our panels as a base for seamless acoustic spray systems. These are a much demanded solution to noise control in situations where aesthetics are of key concern. Our panels are simply bonded to a substrate or mounting battens, the face is sanded to achieve a smooth finish and the acoustic spray is added.

The rigidity of the panels provides much greater durability and reduces system price due to ease of installation. We will soon be offering the full installation service ourselves. check the [website](#) for updates.

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