



Uniclass L68161:P7113	EPIC F852:X724
	L (P2) (M2)

Acoustiblok® sound insulation

Acoustiblok UK Limited

## QuietFibre® Industrial Noise Absorption Core Material

QuietFibre® is a non-fibreglass, hydrophobic and highly acoustically absorptive material engineered specifically for maximum acoustic absorbency and is used extensively in the industrial and commercial fields. QuietFibre® is now being successfully introduced into non industrial environments where reverberant sound and increased resonance is a problem.

### GENERAL

**Introduction** *QuietFibre* is unlike any fibreglass insulation products in many ways however the fact that it repels water and moisture means it has much higher absorbency capabilities and also maintains performance regardless of weather or environment even in extreme locations such as marine applications for example.

**Applications** *QuietFibre* is available in varying thicknesses and densities, is very versatile and can be installed as an exposed finish and into cavities as an absorptive core system as both an acoustic and thermal treatment and is approved in both new build and refurbishment projects.

**Authority** *QuietFibre* is tested to have the highest noise absorption rating of NRC 1.0 (far exceeds fibreglass sound attenuation). It is rated as non combustible and non flammable with a U.L. approval of '0' smoke and '0' flame.

Acoustiblok is a UL approved company.

### DESCRIPTION

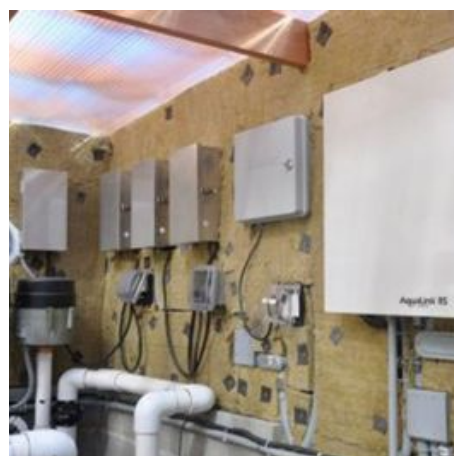
*QuietFibre* is a non fibreglass, hydrophobic slag wool / mineral wool fibre in a bound matrix. Easily cut and shaped with a craft knife, it can be installed by nailing, stapling, glueing or self support.

**Composition, manufacture** *QuietFibre* is formed from 90% recycled material and is 100% recyclable. Non fibre-glass composition.

**Accessories** include a suitable high grab contact adhesive, intumescent acoustic sealant and fixing plugs / collars where necessary.

**Dimensions, weight** are shown in the table overleaf.

**Appearance** is a tan or off yellow in colour with a low odour.



### Dimensions, weight *QuietFibre*

Thickness (mm)	: 25, 30, 40, 50, 75, 100 (+ 0.75)
Weight (kg/m3)	: 60, 80, 100, 128, 140, 200
: width (mm)	: 600, 1220 ( $\pm$ 1.5 %)
: length (mm)	: 1220, 1820

### PERFORMANCE

**Mechanics** Material is high temperature capable for high temperature sound attenuation areas such as plant rooms.

**Fire** ASTM E 84 - Class 1, 0 Flame, 0 Smoke

**Biological** Hydrophobic. Proof against mould and mildew growth. Non corrosive Type 1. Full outdoor use and UV tolerant

**Heat** Linear shrinkage <2% @ 650°C (1200 °F). ASTM C 356

**Absorption** NRC 1.0 - Absorption less than 1% by volume. ASTM C 1104

Hz	125	250	500	1000	2000
NRC 1.0	0.36	0.79	1.15	1.04	1.01

**Electrical** *QuietFibre* has high electrical resistance.

**Compatibility** *QuietFibre* works extremely well in conjunction with high STC barrier materials such as Acoustiblok® Sound Insulation Membranes.

### SITework

**Health and safety** *QuietFibre* is non-hazardous and does not constitute any risk to public health as defined in the MSDS. Skin and eyes that come into contact with the material has no chemical hazard however may cause mechanical irritation. Protective clothing may be advised.

**Handling and storage** Material is not regarded as heavy. Protective clothing should be advised. It should be stored in a sprinklered warehouse at a temperature between 5°C and 25°C.

**Cutting** *QuietFibre* can be easily cut and shaped with normal hand tools.

**Installation** Easy installation into open cavity positions as well as exposed locations to increase sound absorption co efficiencies within buildings.

### SUPPLY

All products are supplied direct from the company.

### Acoustiblok installation details



### SERVICES

The company provides the following services to specifiers:

- supply only
- technical advice
- site visit, acoustic survey feasibility study and specification report
- consultancy, working alongside sub-contractors, builders and maintenance teams

### REFERENCES

Information on is available from the company.  
Information on UL certification is available:  
- directly from the company's website, or  
- from [www.ul.com](http://www.ul.com) using classification file number R21490.

### Acoustiblok UK Limited / Thermablok Aerogels

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