

**PRODUCT DATASHEET**

**Quilted Studio Absorption Blankets**

**Description**

Quilted Studio Blankets consist of a double layer of quilted glass fibre encapsulated and sealed in a fire retardant high performance glass fabric. All edges are bound and sewn.

The curtains can be made to specific sizes up to 12.5 metres long and can be supplied with eyelets for hanging. They are approximately 1.2 metres wide.

The blankets are available with the same glass fabric front and rear or they can be supplied fully backed with other performance fabrics including a Velcro fleece, making them extremely easy to hang. Combined with our adhesive backed Velcro strips that are fixed to the wall, the blanket is simply mounted directly onto the Velcro strips for a permanent or removable option.

They offer great sound absorption for film and television studios, auditoriums, recording studios, schools, airports and factories etc.

Quilted Studio Blankets are available in black or white as standard colours or they can be supplied in a more decorative fabric with a wide range of colours included printed fabrics to the client's own design.

*Velcro fleece backing*



**Installation**

Quilted Studio Blankets can be butted up or overlapped to provide full wall coverage.

The blankets can be easily trimmed with scissors or a knife to resize if required. Adhesive backed cover strips are supplied to assist with sealing cut edges or any repairs.

**Properties**

**Weight:**  
1.8kg/m<sup>2</sup>

**Thickness**  
50mm (nominal)

**Fire resistance**  
Class 0  
BS 476 part 6 &  
BS 476 part 7

**Acoustic Performance**

Class A

Sound Absorption Coefficients (dB)					
125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0.30	0.80	1.00	1.00	1.00	1.00



# Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Quilted glass 50mm + 100g glass cloth. Panel size: 2000x1200x50mm  
 Test date: 31/03/23 Chamber volume: 300.1m<sup>2</sup>

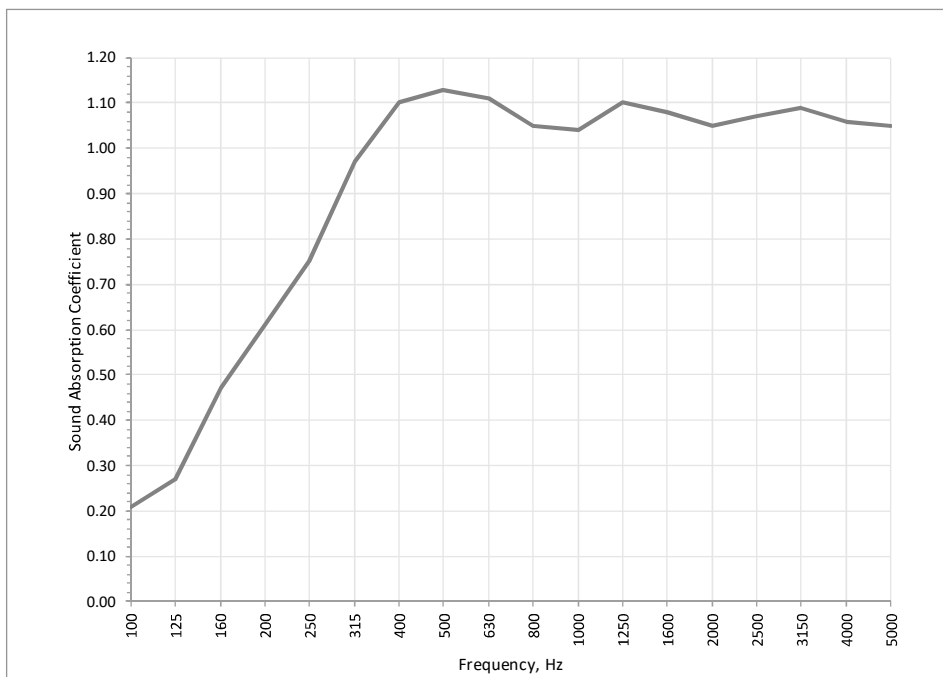
Test Room	Empty	With Sample
Air Temperature	17.2° C	16.3° C
Air Humidity	64% RH	67% RH
Air Pressure	976 mbar	976 mbar
Sample Area	14.2m <sup>2</sup>	

Frequency Hz	T1, empty room reverberation time (sec)	T2, room reverberation time with sample (sec)	Sound Absorption Coefficient $\alpha_s$	Practical Sound Absorption Coefficient $\alpha_p$
100	7.34	5.08	0.21	0.30
125	6.63	4.36	0.27	
160	6.33	3.41	0.47	
200	6.55	3.04	0.61	0.80
250	6.82	2.73	0.75	
315	6.57	2.30	0.97	
400	6.30	2.09	1.10	1.00
500	5.49	1.96	1.13	
630	4.84	1.89	1.11	
800	4.89	1.96	1.05	1.00
1000	5.25	2.03	1.04	
1250	5.18	1.95	1.10	
1600	4.90	1.03	1.08	1.00
2000	4.61	1.91	1.05	
2500	4.13	1.81	1.07	
3150	3.48	1.66	1.09	1.00
4000	2.79	1.50	1.06	
5000	2.24	1.33	1.05	

$\alpha_w$  1.00

**Class A** Calculated to BS EN ISO 11654:1997 **NRC 1.00** Calculated to ASTM C 423- 01

## Sound Absorption Coefficients



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