

**140mm Aglite block wall with 12.5mm Lafarge  
Wallboard plasterboard on dabs to both sides.****Project****The Laboratory Determination of the Airborne Sound  
Transmission of Aglite Party Block Walls****Prepared for****Plasmor Concrete Products  
P O Box 44  
Womersley Road  
Knottingley  
West Yorkshire  
WF11 0DN****Summary**

Tests have been done in SRL's Laboratory at Holbrook House, Sudbury, Suffolk, to determine the airborne sound transmission of various masonry block walls in accordance with BS EN ISO 140-3:1995.

From these measurements the required results have been derived and are presented in both tabular and graphic form on page 2 of this technical report.

The results are given in 1/3rd octave bands over the frequency range 50Hz to 10kHz, which is beyond that required by the test standard. Measurements outside the standard frequency range are not UKAS accredited.

**Report Number C/07/5L/3731/1a**

*(supersedes report no C/07/5L/3731/1 dated 18/6/07)*

**Date 3 July 2007**

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**Gareth Young**  
Project Engineer



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Laboratory Manager  
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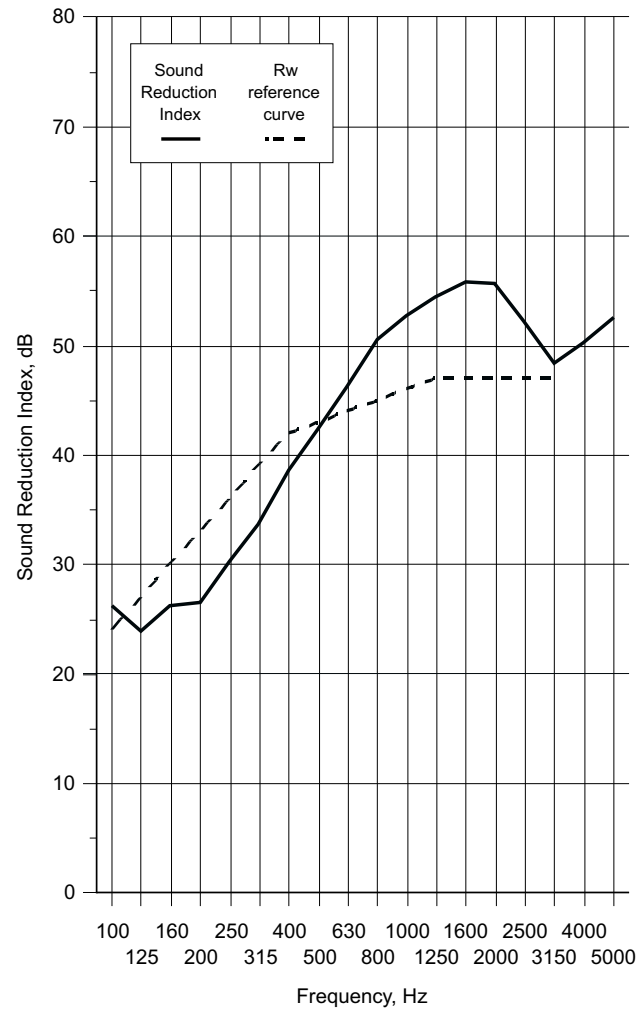
For and on behalf of Sound Research Laboratories Ltd

## 140mm Aglite block wall with 12.5mm Lafarge Wallboard plasterboard on dabs to both sides.

<b>Test Number :</b> 9	<b>Air temperature:</b> 13.2 °C
<b>Client:</b> Plasmor Concrete Products	<b>Air humidity:</b> 51 %
<b>Test Date:</b> 01/05/2007	<b>Receiving room volume</b> 50 m3
<b>Sample height:</b> 2.925 m	<b>Source room volume:</b> 55 m3
<b>Sample width:</b> 3.845 m	<b>Sample weight:</b> 195 kg/m2
<b>Product Identification:</b> 140mm Aglite block wall with 12.5mm Lafarge Wallboard plasterboard on dabs to both sides.	

Freq f Hz	Sound Reduction Index, dB	
	1/3 Oct	1/1 Oct
50+	27.4	26.3
63+	24.1	
80+	28.6	
100	26.2	25.2
125	23.9	
160	26.1	
200	26.5	29.2
250	30.2	
315	33.6	
400	38.6	41.3
500	42.3	
630	46.2	
800	50.5	52.3
1000	52.7	
1250	54.5	
1600	55.8	54.2
2000	55.7	
2500	52.2	
3150	48.4	50.1
4000	50.2	
5000	52.6	
6300+	55.2	56.2
8000+	55.4	
10000+	58.6	
Average 100-3150	41.5	

Rating according to BS EN ISO 717-1:1997  
**Rw(C;Ctr) 43 (-2;-6) dB**

Notes \* designates measurement corrected for background  
 # designates limit of measurement due to background  
 + designates frequency beyond standard and not UKAS accredited