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Test Certificate No: 10066

Contract: C/23574

Date: 17 November 2016

Confidential

See SRL report C/23574/T01 for full details

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

Client: fade® Acoustic Ceilings

Test Date: 11/11/2016

Empty Room:	**Temperature:**	15.3	°C	**Humidity:**	52	%RH	**Pressure:**	1013 mbar
Room with Sample:	**Temperature:**	15.2	°C	**Humidity:**	51	%RH	**Pressure:**	1013 mbar

Sample Description: 40mm (1 1/2") fade® Acoustic Plaster - PLUS+

Mounting Method: A

Sample Area: 13.18 m2

Chamber Volume: 300 m3

	Test 3			
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
*50**	*4.12*	*4.12*	*0.00*	
*63**	*4.42*	*4.27*	*0.03*	*n/a*
*80**	*5.66*	*4.35*	*0.20*	
100	6.42	4.92	0.18	
125	6.85	4.01	0.38	0.35
160	6.63	3.44	0.52	
200	6.72	2.91	0.72	
250	7.09	2.89	0.76	0.70
315	7.13	3.22	0.63	
400	6.44	2.69	0.80	
500	5.68	2.14	1.08	0.95
630	5.28	2.30	0.91	
800	5.64	2.27	0.97	
1000	6.04	2.36	0.96	0.95
1250	5.71	2.32	0.95	
1600	5.20	2.33	0.87	
2000	4.67	2.25	0.85	0.85
2500	4.10	2.14	0.82	
3150	3.38	1.92	0.82	
4000	2.65	1.69	0.78	0.80
5000	2.11	1.45	0.77	
*6300**	*1.42*	*1.09*	*0.75*	
*8000**	*1.13*	*0.90*	*0.78*	*n/a*
*10000**	*0.81*	*0.68*	*0.80*	

α_w 0.90

Class A

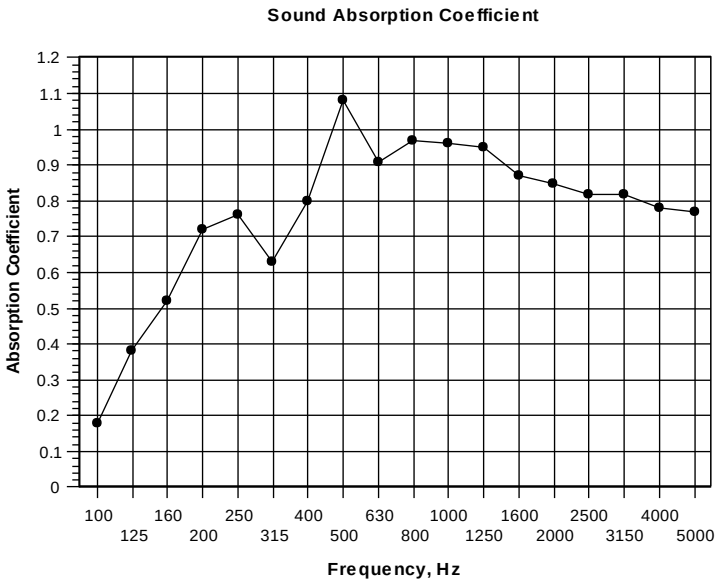
Calculated to EN ISO 11654:1997

NRC 0.90

Calculated to ASTM C 423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003*

T1, empty room reverberation time
T2, room reverberation time with sample



Practical absorption coefficient, BS EN ISO 11654:1997

v4.3

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