

Acoustic performance of doorsets – tested in accordance with BS EN ISO 10140-2: 2010

52mm S3K single flush door in a hardwood frame. LAS1015 to jamb and head stops. LP1504DS to jambs and head (interrupted at hinges). LAS8001si automatic drop seal to bottom of door. LAS4012 threshold plate.

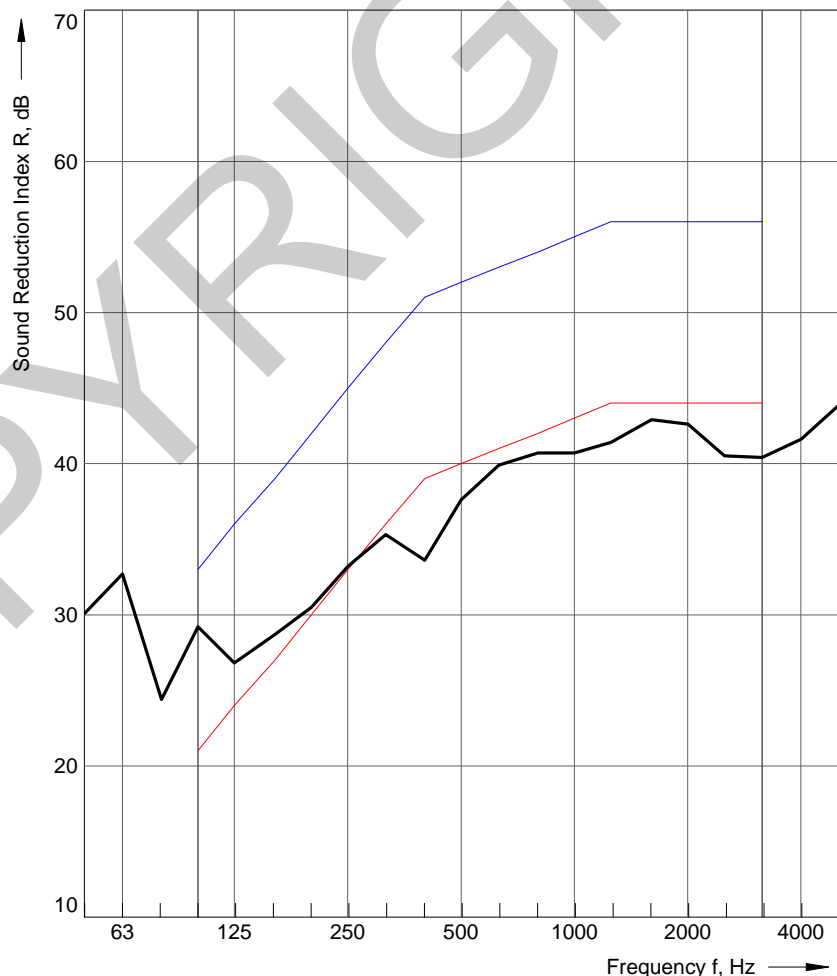
Test Date: 29/10/2014
Test Number: 141029 002

Test specimen installed by: Lorient Testing & Technical Services
Test room temperature: 21.0°C
Test room static pressure: 1023hpa
Test room relative humidity: 70%

Area S of test element: 2.30m²
Source room volume: 68.40m³
Receiving room volume: 50.00m³
Sample mass per unit area: 31.28kg/m²

— Sound reduction index (R) dB
— Curve of reference values (EN ISO 717-1:1996)

Frequency f Hz	R 1/3 Octave dB
50	30.1*
63	32.7*
80	24.4*
100	29.2*
125	26.8
160	28.7
200	30.5
250	33.2
315	35.3
400	33.6
500	37.6
630	39.9
800	40.7
1000	40.7
1250	41.4
1600	42.9
2000	42.6
2500	40.5
3150	40.4
4000	41.6
5000	43.8



* Correction applied for flanking.

Rating according to ISO 717-1

$R_w (C; C_{tr}) = 40 (-1; -3) \text{ dB}$

$C_{50-3150} = -1 \text{ dB}; C_{50-5000} = 0 \text{ dB}; C_{100-5000} = 0 \text{ dB};$

Evaluation based on laboratory measurement results obtained in one-third-octave bands by an engineering method

$C_{tr,50-3150} = -4 \text{ dB}; C_{tr,50-5000} = -4 \text{ dB}; C_{tr,100-5000} = -3 \text{ dB};$



BS EN ISO 9001:2008 Certificate No. 09/04



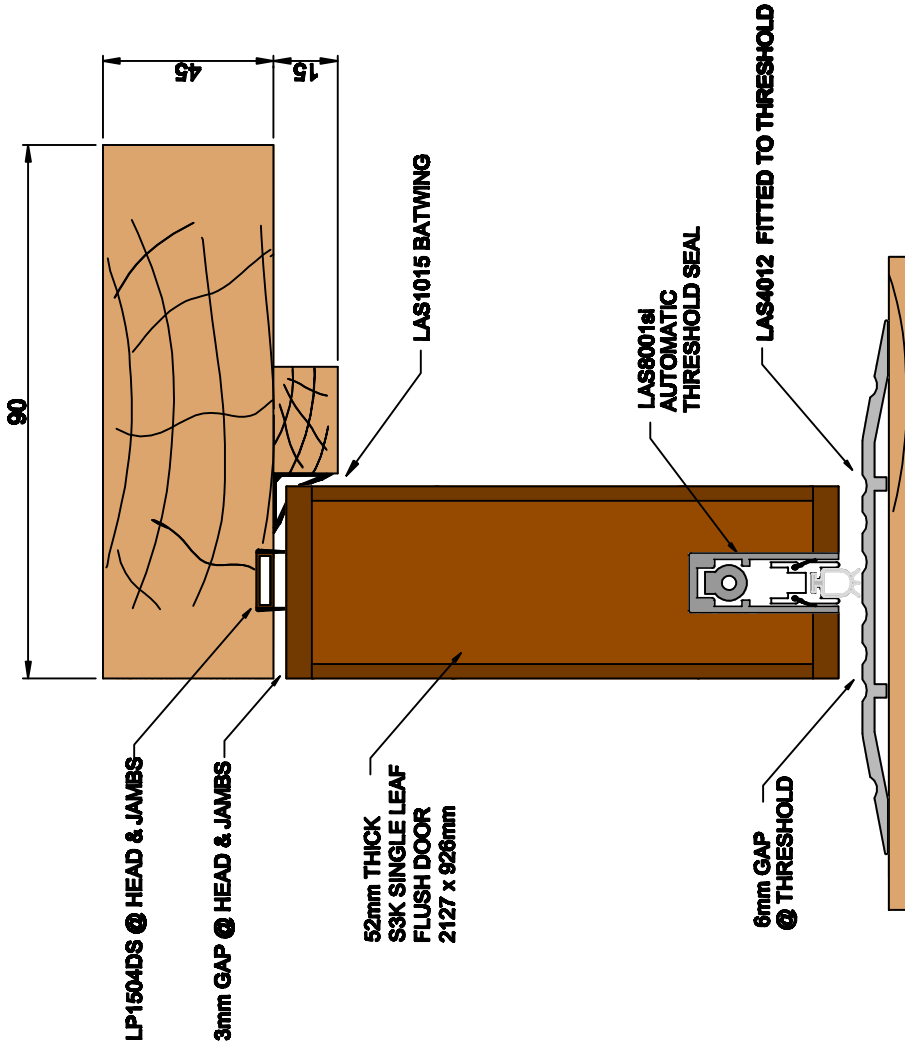
BS EN ISO 14001:2004 Certificate No. 03/3 041500

Testing & Technical Services
Discovery House
Unit 19 Wentworth Road
Heathfield Ind Estate
Newton Abbot
Devon TQ12 6TL
United Kingdom

T: +44 (0)1626 834252
F: +44 (0)1626 833166
E: testing@lorientuk.com
www.lorientuk.com

Registered in England No. 1441058
Registered Office: Fairfax Road, Heathfield,
Newton Abbot, Devon, United Kingdom

Testing &
Technical
Services



TEST : 141029 002
 52mm S3K Flush Door- Hardwood Frame, Planted Stop
 2127 x 926mm

LP1504DS fitted to jambs and head (interrupted at hinges) .
 LAS1015 to jamb and head stops.
 LAS8001ai drop seal to bottom of door.
 LAS4012 threshold plate.



LORIENT

Discovery House
 Unit 19 Wentworth Road
 Heathfield Industrial Estate
 Newton Abbot
 Devon TQ12 6UD
 Tel: 01628 834252
 Fax: 01628 833166
 E:testing@lorientuk.com
 www.lorientuk.com

Testing & Technical Services

					TITLE: SAUERLAND AND ACOUSTIC & FIREDOOR SOLUTIONS LTD
		SCALE DRAWN	NTS MH		
		DATE	20/10/14		DRAWING NO: 141029 002
01	FIRST ISSUE	CHECKED	DF		
REV	DESCRIPTION	APPROVED	DF		
				xx/xx/xxxx	
				DATE	