

Test Specimen Name: 44mm Flamebreak single leaf door

Reference Number: MTZ/F12015/Rev1/P04

Client: Lorient Polyproducts Ltd

Date of Test: 16/07/2013

Test Specimen Installed By: BM TRADA

Area of Specimen (S): 2.30 m<sup>2</sup>

Source Room Volume: 86.00 m<sup>3</sup>

Temperature in Test Rooms: 17.0 °C

Receive Room Volume: 63.00 m<sup>3</sup>

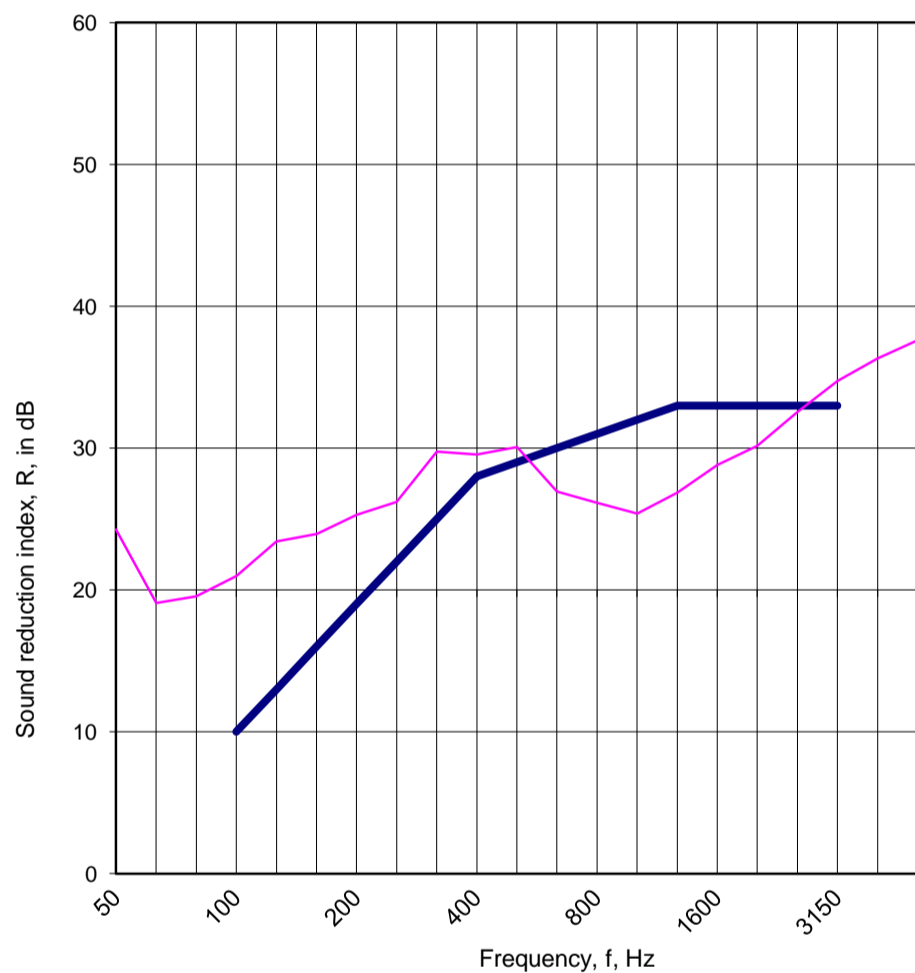
Static Pressure: 100200.0 Pa

Humidity in Test Rooms: 74.0 %

Test Specimen Description: 44mm Flamebreak single leaf door Threshold - LAS8001/LAS4002  
Perimeter - LAS7001

f, Hz	R, dB
50 <sup>+</sup>	24.3
63 <sup>+</sup>	19.1
80 <sup>+</sup>	19.5
100	21.0
125	23.4
160	23.9
200	25.3
250	26.2
315	29.7
400	29.6
500	30.1
600	26.9
800	26.2
1000	25.4
1250	26.9
1600	28.8
2000	30.2
2500	32.5
3150	34.7
4000	36.3
5000	37.6
AAD	-28.2

↑  
Frequency range for rating in accordance with ISO 717-1  
↓



— Rating Curve (ISO 717-1) — Sound Reduction Index, R, in dB

$R_w = 29$  dB  
 $R_w + C = 29$  dB  
 $R_w + C_{tr} = 27$  dB

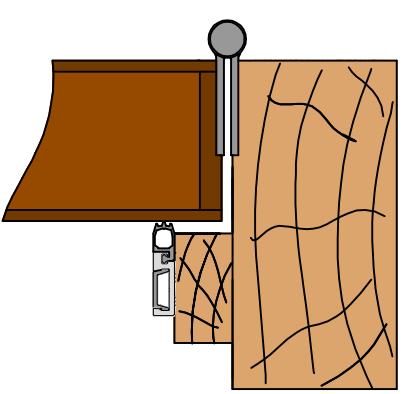
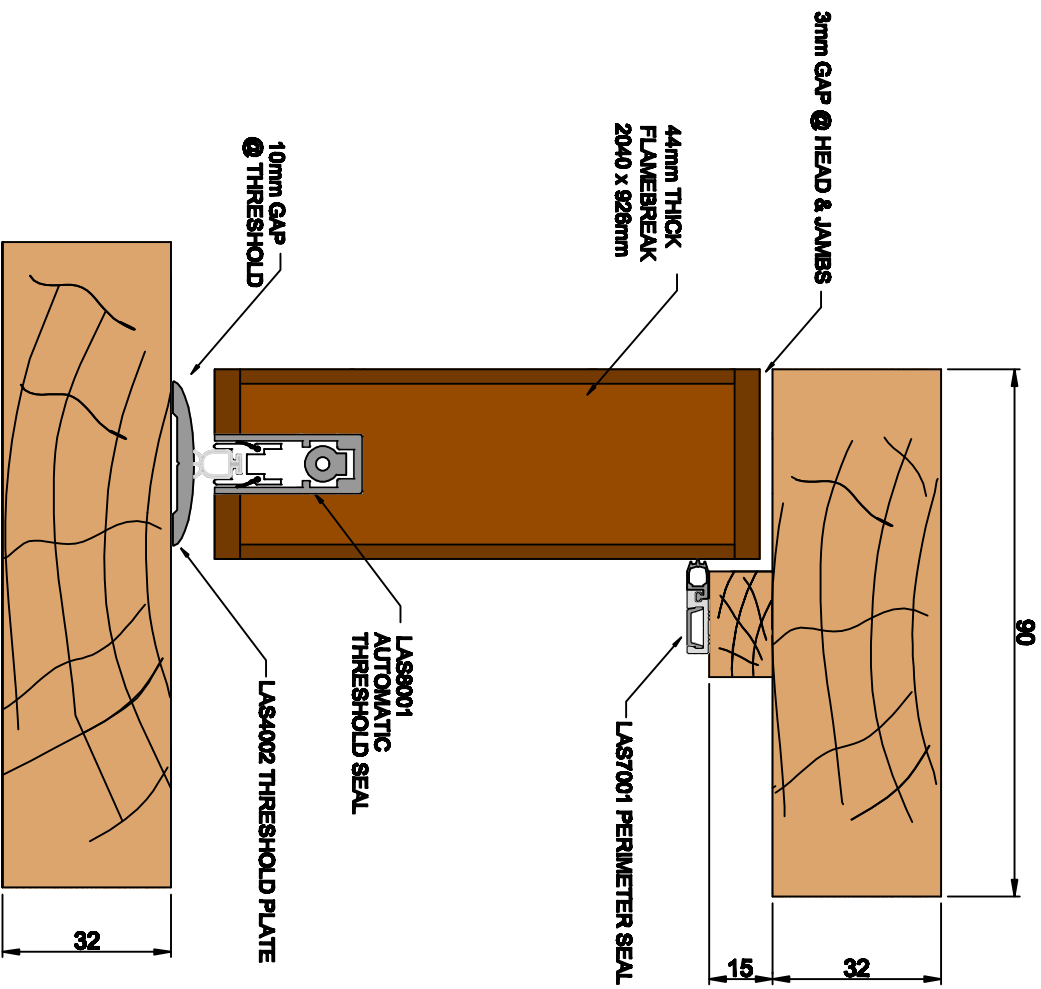
$C_{(50-3150)} = 0$  dB     $C_{tr(50-3150)} = -2$  dB  
 $C_{(50-5000)} = 0$  dB     $C_{tr(50-5000)} = -2$  dB  
 $C_{(100-5000)} = 0$  dB     $C_{tr(100-5000)} = -2$  dB



Martin Durham  
Technical Officer

\* indicates that the frequency is outside of our UKAS accreditation and is for information only

The legal validity of this report can only be claimed on presentation of the complete report



TEST : 43  
 44mm Flamebreak - Hardwood Frame, Painted Stop  
 2040 x 926mm

LAS7001 Perimeter seal fitted to jamb and head stops.  
 LAS9001 concealed automatic threshold seal  
 fitted to bottom of door.

LAS4002 fitted at threshold

REV	DESCRIPTION	DATE
01	FIRST ISSUE	xx/xx/xxxx



**LORIENT**

Testing & Technical Services

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

SCALE	NTS
DRAWN	MH
DATE	01/11/12
CHECKED	DF
APPROVED	DF

TITLE:  
**ACOUSTIC TESTING  
 CHILTERN**

DRAWING NO:  
**LOR43**

NO PART OF THIS DRAWING MAY BE REPRODUCED WITHOUT THE WRITTEN CONSENT OF LORIENT POLYPRODUCTS LTD.