

Test Specimen Name: 44mm Flamebreak single door leaf

Ref. No.: MTZ/F12015/Rev1/P010

Client: Lorient Polyproducts Ltd

Date of Test: 16/07/2012

Test Specimen Installed By: Chiltern Dynamics

Area of Specimen (S): 2.30

Source Room Volume: 86.00 m³

Temperature in Test Rooms: 17.0 °C

Receive Room Volume: 63.00 m³

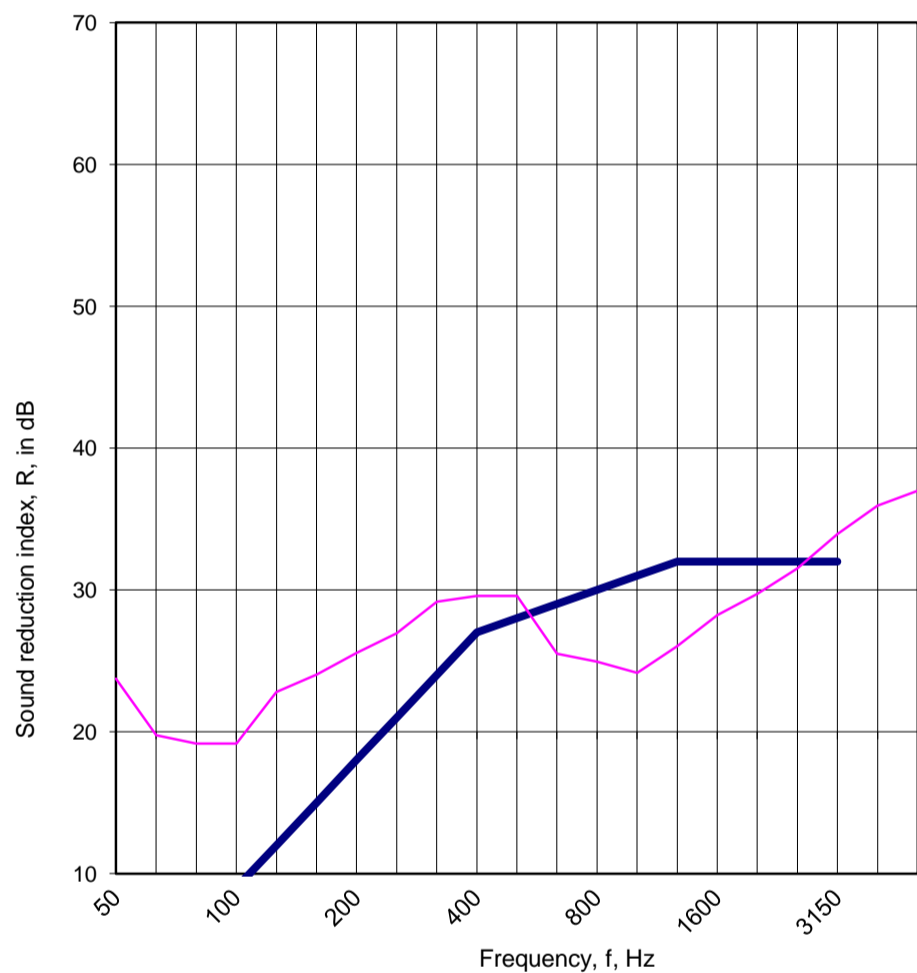
Static Pressure: 100200.0 Pa

Humidity in Test Rooms: 74.0 %

Test Specimen Description: 44mm Flamebreak single door leaf Re-test of P009

f, Hz	R, dB
50 ⁺	23.7
63 ⁺	19.8
80 ⁺	19.2
100	19.2
125	22.8
160	24.0
200	25.6
250	26.9
315	29.2
400	29.6
500	29.6
600	25.5
800	24.9
1000	24.1
1250	26.0
1600	28.2
2000	29.7
2500	31.5
3150	34.0
4000	35.9
5000	37.0
AAD	-27.9

Frequency range for rating in accordance with ISO 717-1



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

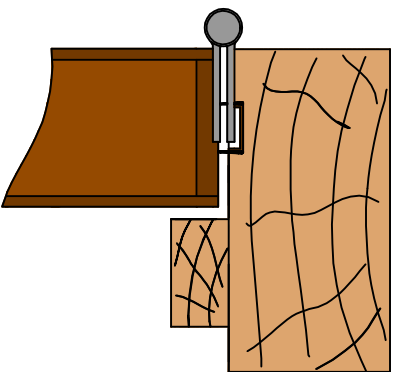
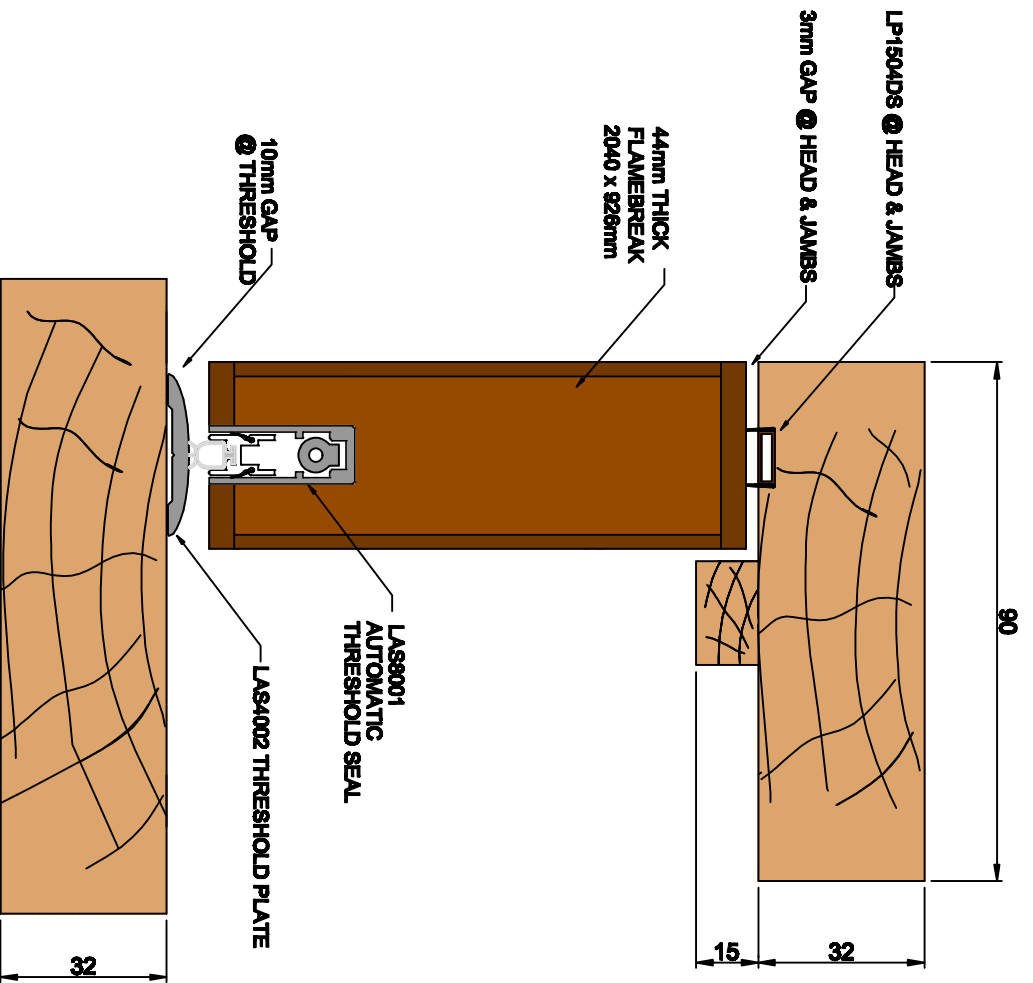
$R_w = 28$ dB	$C_{(50-3150)} = 0$ dB	$C_{tr(50-3150)} = -2$ dB
$R_w + C = 28$ dB	$C_{(50-5000)} = 0$ dB	$C_{tr(50-5000)} = -2$ dB
$R_w + C_{tr} = 26$ dB	$C_{(100-5000)} = 0$ dB	$C_{tr(100-5000)} = -2$ dB



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 : 10 (RE-TEST OF 9)
 44mm Flamebreak - Hardwood Frame, Painted Shop
 2040 x 926mm
 LP1504DS fitted to jambs and head .
 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: 01626 834252
 Fax: 01626 833166
 E:testing@lorientuk.com
 www.lorientuk.com

SCALE	NTS	TITLE:
DRAWN	MH	ACOUSTIC TESTING
DATE	01/11/12	CHILTERN
CHECKED	DF	DRAWING NO:
APPROVED	DF	LOR10

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