



TEST REPORT No : AT/03/13

DATE OF ISSUE : 26 March 2003

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**INTERNATIONAL STANDARD METHOD FOR
MEASUREMENT OF AIRBORNE SOUND
INSULATION OF BUILDING ELEMENTS
BS EN ISO 140-3 : 1995**

CLIENT: Jewers Doors Limited
Stratton Business Park
Biggleswade
Bedfordshire
SG18 8QB

JOB NUMBER: A03/08

TEST SAMPLE: Folding doors - various

MANUFACTURER: Jewers Doors Limited

DATE RECEIVED: 3 March 2003

DATE OF TEST: 3 – 6 March 2003

Signed: 

D J M^cCaul
Laboratory Manager

Approved: 

G Kerry
Technical Manager



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2000

ISO 140-3:1995 Laboratory measurements of airborne sound insulation of building elements

Client		Jewers Doors Limited Stratton Business Park Biggleswade Bedfordshire					
Manufacturer Jewers Doors		Test specimen mounted by: Client Product identification: Osprey door - 4 section folding					
Measurement procedure: ISO 140-3:1995		Test procedure: ISO 717-1:1996					
Mass per unit: 16.4 kg/m ²		Size: 8.64 m ²					
Temperature [°C]: 22.4		Humidity [%]: 35.5					
Test room identification: Small rev room / Large rev room		Source room Volume: 112 m ³ Receiving room Volume: 225 m ³ Date of test: 06/03/03					
Weighted Sound reduction $R_w(C, C_{tr}) = 25 (-2; -2)$ dB		Sum of unfavourable deviations: 31.6 dB Max. unfavourable deviation: 10.2 dB at 1250 Hz $C_{50-3150}$: --- $C_{50-5000}$: --- $C_{100-5000}$: -1 dB $C_{tr50-3150}$: --- $C_{tr50-5000}$: --- $C_{tr100-5000}$: -2 dB					
Frequency	R	L1	L2	T	Corr.	u.Dev.	
[Hz]	[dB]	[dB]	[dB]	[s]	[dB]	[dB]	
100	20.7	80.5	62.8	8.41	3.0	-.-	
125	20.6	83.7	65.4	7.00	2.3	-.-	
160	22.2	84.8	64.2	5.97	1.6	-.-	
200	23.8	84.9	62.9	6.33	1.8	-.-	
250	24.9	85.0	61.4	5.61	1.3	-.-	
315	24.8	84.1	60.1	5.04	0.8	-.-	
400	24.7	83.4	59.7	5.29	1.0	-.-	
500	25.9	82.9	58.6	5.98	1.6	-.-	
630	24.6	82.8	59.9	6.22	1.7	1.4	
800	23.5	83.6	61.5	5.80	1.4	3.5	
1000	23.6	83.2	61.0	5.70	1.4	4.4	
1250	18.8	83.9	65.9	4.98	0.8	10.2	
1600	22.9	83.9	61.4	4.53	0.4	6.1	
2000	25.2	83.2	58.1	4.22	0.1	3.8	
2500	26.8	83.0	55.7	3.67	-0.5	2.2	
3150	30.1	83.0	51.4	2.98	-1.5	-.-	
4000	32.8	83.8	48.6	2.41	-2.4	-.-	
5000	33.1	81.9	45.2	1.83	-3.6	-.-	

University of Salford School of Acoustics and Electronic Engineering

No. of test reference: TL/03/03/03

Salford, 6.03.2003

Sound Insulation ISO 717 (1982)

Client: Jewers Doors Limited, Stratton Business Park

Test specimen mounted by: Client

Description of the specimen:

Osprey door - 4 section

Composition: 50mm foam

2 x 0.9mm skin

Seals etc.

Product identification: Osprey door - 4 section folding

Test room identification: Small rev room / Large rev room

Date of test: 06/03/03

Size: 8.64 m²

Mass per unit: 16.4 kg/m²

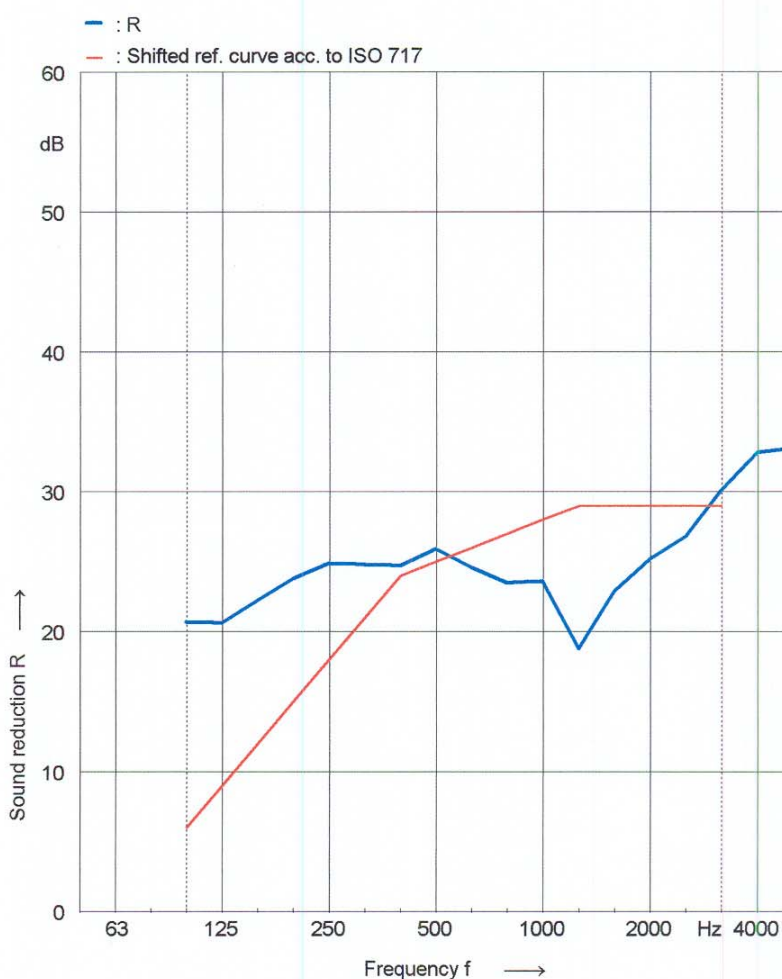
Temperature [°C]: 22.4

Humidity [%]: 35.5

Source room Volume: 112 m³

Receiving room Volume: 225 m³

Frequency [Hz]	R 1/3 oct. [dB]
50	--
63	--
80	--
100	20.7
125	20.6
160	22.2
200	23.8
250	24.9
315	24.8
400	24.7
500	25.9
630	24.6
800	23.5
1000	23.6
1250	18.8
1600	22.9
2000	25.2
2500	26.8
3150	30.1
4000	32.8
5000	33.1



Rating according to ISO 717-1

$R_w(C, C_{tr}) = 25 (-2; -2) \text{ dB}$

$C_{50-3150}$: ---

$C_{50-5000}$: ---

$C_{100-5000}$: -1 dB

$C_{tr50-3150}$: ---

$C_{tr50-5000}$: ---

$C_{tr100-5000}$: -2 dB

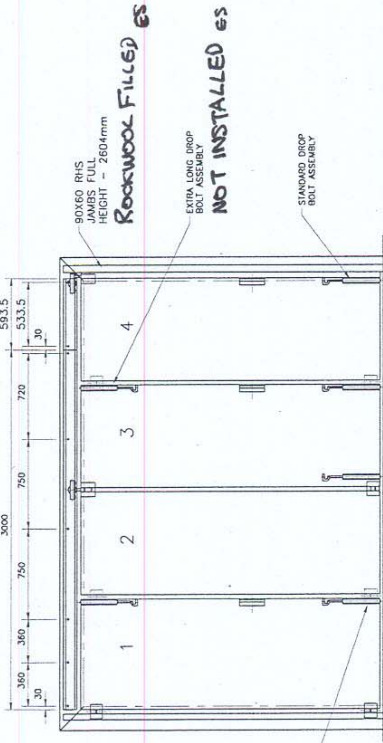
Evaluation based on laboratory measurement results obtained by an engineering method

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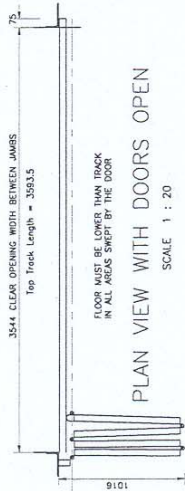
No. of test reference: TL/03/03/03

Salford, 6.03.2003

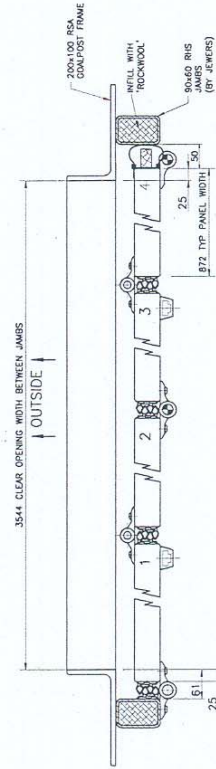
Signature:



INTERNAL ELEVATION
SCALE 1 : 20



PLAN VIEW WITH DOORS OPEN
SCALE 1 : 20



SECTION THROUGH
SCALE 1 : 2.5

BOTTOM HINGES AND DROP BOLT ONLY TO BE FITTED
BOTH GUIDE ROLLERS NOT TO BE USED

PLAN DETAILS OF DOOR PANELS
SCALE 1 : 5

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Jewelers Specialist Doors

The Jewellers Specialist Doors and Panels is a brand name for all metal mill fire resistant in any or partial in their parts, without their within external.

Phoenix
Jewelers Doors Limited
Engineering Division
United Kingdom
Tel: +44(0) 1753 732000
E-mail: phoenix@jewelers.co.uk

NOTES:

LOCKING - FOR EACH PAIR LEAVES
 DROP BOLT
 ESPAGNOLETTE BOLT

WINDOWS
 680x500 D/G ACRYLIC VISION PANEL
 680x500 D/G SECURITY VISION PANEL
WICKET DOOR
 WICKET DOOR STD LEVER HARDWARE
 WICKET DOOR PANIC HARDWARE

NOTES
STRUCTURE OF OPENING MUST BE SUITABLE TO TAKE WEIGHT OF DOOR
DOOR WEIGHT:- KGS EACH
QUANTITY
1 OFF AS DRAWN
FINISH
EXTERNAL:
0.9mm GALV SHEET STEEL
INTERNAL:
0.9mm GALV SHEET STEEL

REVISION	DATE	BY	CHKD	DESCRIPTION
A				PROJECT REF
B				RHS JAMB EXTENDED
				FIRST ISSUE

DRWN	S.O.B.	DATE	20.02.03
DRG TITLE OSPREY TEST DOOR			
DRAWING NUMBER			TESTOSPREY