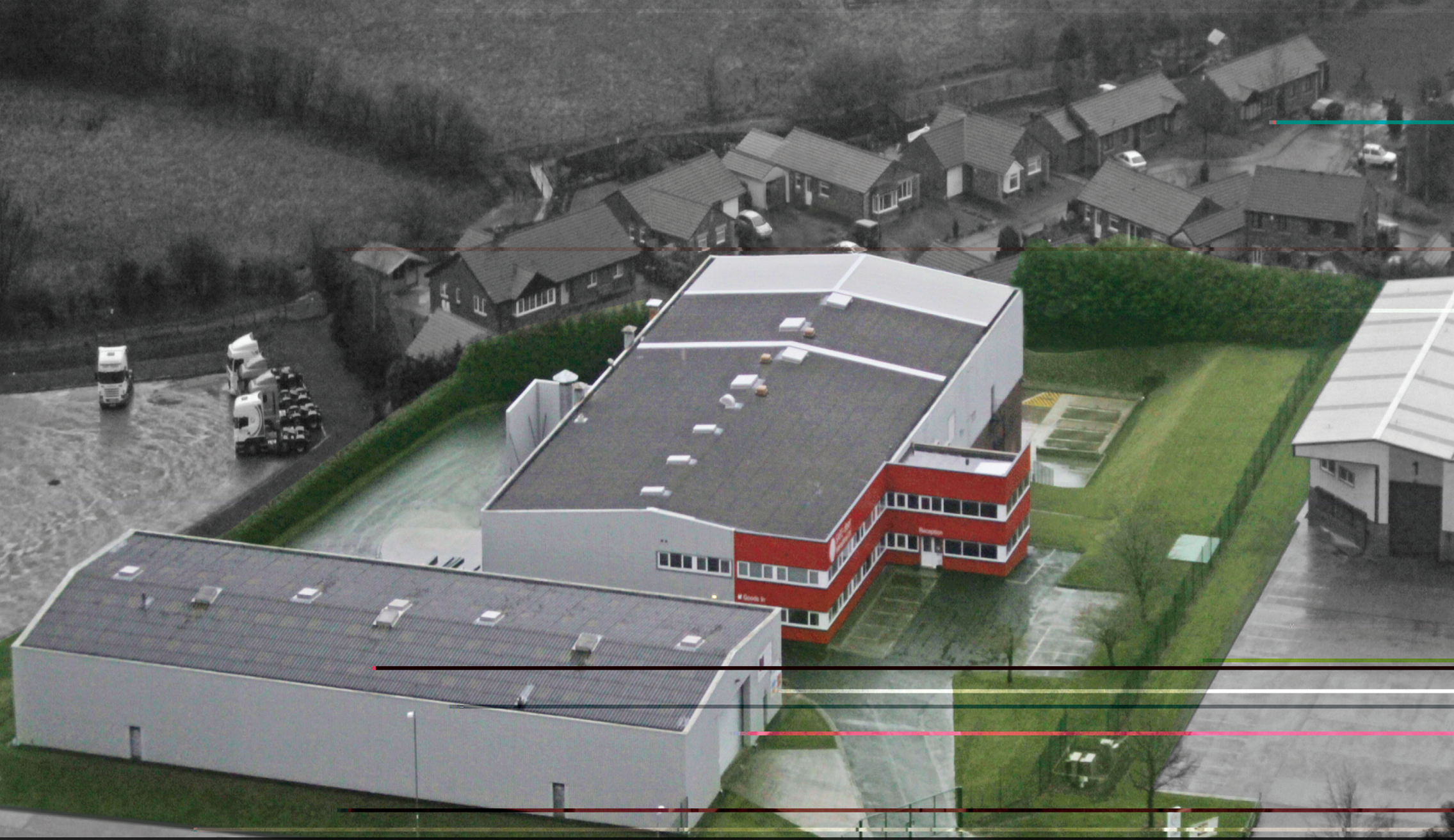

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Sound Solutions


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DOC REF: SDS116A

TABLE OF CONTENTS

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Unique solutions designed specifically for high performance sound attenuating applications

$_{w}$57

than R_{w}67

$_{w}$30

01 Soundslide

Typical applications would be:

- Theatres
- Film & TV Studios
- Theme Parks
- Industrial Test Cells
-

Product application: Highest performance studio, theatre or test cell application

Soundlift doors feature the same seal and panel construction as the

R_{w}57 $_{w}$65

02 Soundlift

Typical applications would be:

- Theatres
-
- Industrial Test Cells
-

Product application: Highest performance theatre or conference centre application

$_{w}$30

$_{w}$53

$_{w}$67

$_{w}$60dB solutions are

03 Soundroll

Typical applications would be:

-
- Theatres
- Industrial test cells
-

Product application: Our most versatile acoustic solution

$_{w}$30dB as a standalone

door and to R

04 Soundsec

Typical applications would be:

-
-
-

Where head room and side room are limited

2.75m x 3.0

6.0m x 6.0

Typical applications would be:

Soundmax steel:

- Perimeter and inter room acoustic separation
-
- Auditoriums & Music rooms
-
- Schools

Soundmax XL Composite:

-
- Industrial Plant rooms
-
- Industrial test cells

Product application: Standard pedestrian or vehicular access

DOC REF: SDS112B

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05

Soundmax

HEAD OFFICE

Townfoot Industrial Estate, Brampton, Cumbria, UK, CA8 1SW

Tel: **+44 (0)1697742153** E: sales@SAFE-door.co.uk

W: www.SAFE-door.co.uk

Registered in England and Wales No. **08760241**

Product Specification: Soundslide

DOC REF: SDS103B

Product application:

Key Features:

1.5

3.0

120 minutes EN 1634-1

Technical data:

Generally 100mm to R_w50dB

Generally 150mm up to R_w57dB

acoustic attenuation

304, 316,

100mm = 0.6W/m²K at R_w50dB

150mm = up to 0.39W/m²K at R_w57dB

Maximum R_w57d

Maximum R_w67d

Maximum >R_w67d

2

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DOC REF: SDS103B

Control system:

To suit application, standard 230V, 50Hz, 16A type B MCB supply

Standard 'Open/Stop/Close' on controller fascia set for maintained contact operation

Drive system:

Safety devices:

12453

Technical design:

Design flexibility:

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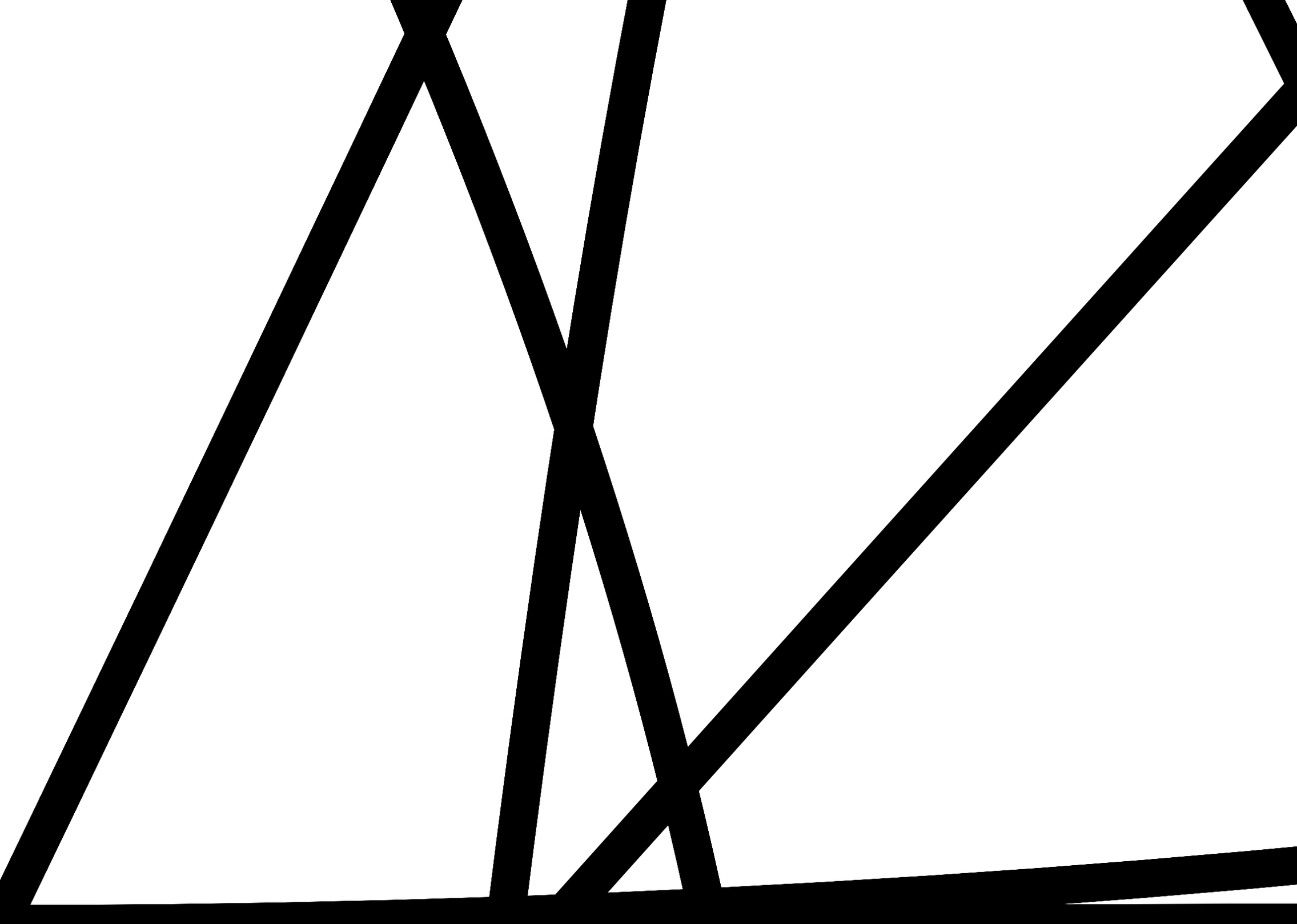

Product Specification: Soundlift

DOC REF: SDS106B

Product application:

Key Features:

1.5

120 minutes EN 1634-1

Technical data:

Generally 100mm to R_w50dB

Generally 150mm up to R_w57dB

acoustic attenuation

304, 316,

100mm = 0.6W/m²K at R_w50dB

150mm = up to 0.39W/m²K at R_w57dB

Maximum R_w57

Maximum R_w67

Maximum >R_w67

2

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DOC REF: SDS106B

Control system:

To suit application, standard 230V, 50Hz, 16A type B MCB supply

Standard 'Open/Stop/Close' on controller fascia set for maintained contact operation

Optional controls

Drive system:

door systems

system to ensure that the door is accurately positioned on the acoustic seals on

Safety devices:

12453

Technical design:

Design flexibility:

Unique solutions designed for high performance sound attenuating applications

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Tandem Arrangements:

Soundlift Acoustic Door Test Data

DOC REF: SDS106B

50	-	-	27.5	-	38.8	39.4	41.4
63	-	-	25.9	25.8	38.8	35.0	43.0
80	-	-	24.1	-	31.6	23.9	38.4
100	26.8	27.0	26.8	-	38.5	31.3	43.7
125	28.1	27.9	27.7	30.5	38.0	41.6	47.8
160	35.6	37.4	36.8	-	37.8	45.4	52.9
200	36.3	39.3	43.1	-	40.7	46.6	53.3
250	35.9	39.6	42.1	43.6	43.4	50.5	56.3
315	36.1	39.2	43.0	-	42.8	51.6	57.6
400	37.6	38.8	45.0	-	45.6	52.9	61.3
500	38.1	39.0	46.2	46.4	47.5	52.4	66.0
630	37.5	38.7	47.8	-	49.8	54.1	70.4
800	38.1	40.8	49.7	-	52.8	55.7	76.1
1000	39.1	42.7	50.7	50.3	56.4	59.3	80.7
1250	40.4	45.1	52.0	-	60.0	60.7	82.3
1600	43.6	47.1	52.9	-	62.6	61.4	84.3
2000	44.7	48.1	54.8	54.8	66.2	64.9	86.1
2500	46.0	48.4	57.1	-	69.4	68.4	84.6
3150	46.6	49.1	60.2	-	71.9	71.1	80.2
4000	47.6	50.8	62.3	61.8	72.3	71.5	73.8
5000	47.5	50.8	62.8	-	63.0	63.0	62.4
R_w	41	44	49	50	53	57	67
C	-1	-1	-1	-2	-1	-2	-1
Ctr	-3	-4	-6	-7	-5	-8	-7
Thickness mm	90	90	90	90	150	150	600
Door Ty							

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Product reference: Soundroll 30 and Soundroll 31

Product application: Commercial and Industrial Sound Control

Key Features:

150mm/s

3020

Included as standard in the door structure

Technical Data:

22

$_{w}30$

$R_{w}31$

60 minutes EN 1634-1 (Soundroll 31

Soundroll 30: 1.85W/m²K / Soundroll 31: 2.91W/m²K

5 (1250

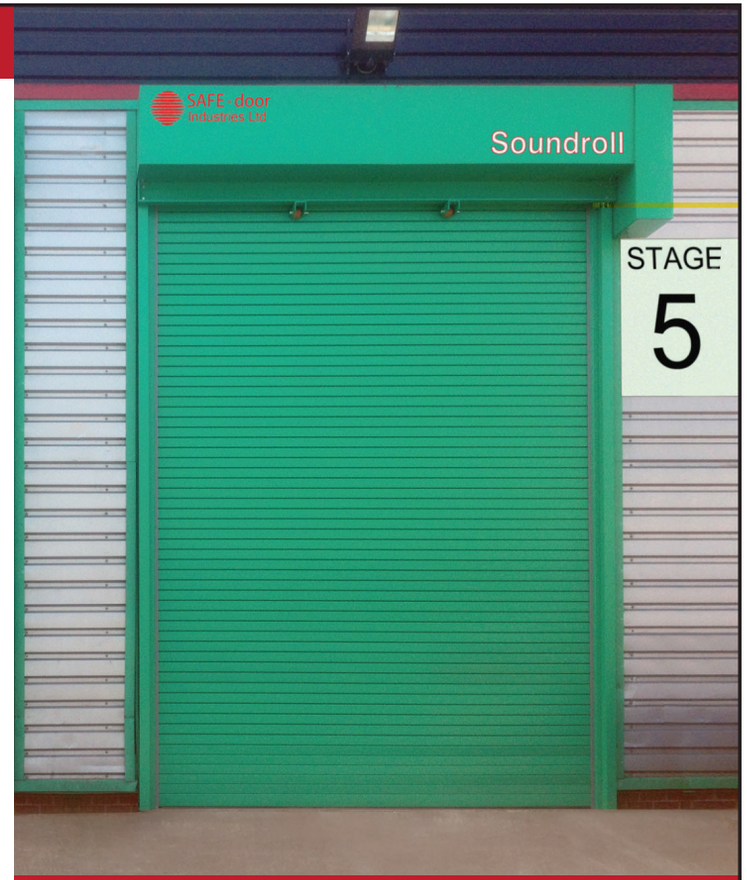
Controls:

400V, 3ph, 50Hz, 16

3

IP54 ABS controller enclosure

2.5kW dependant on door size



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DOC REF: SDS104C

DOC REF: SDS104C

manual operation

13241-1

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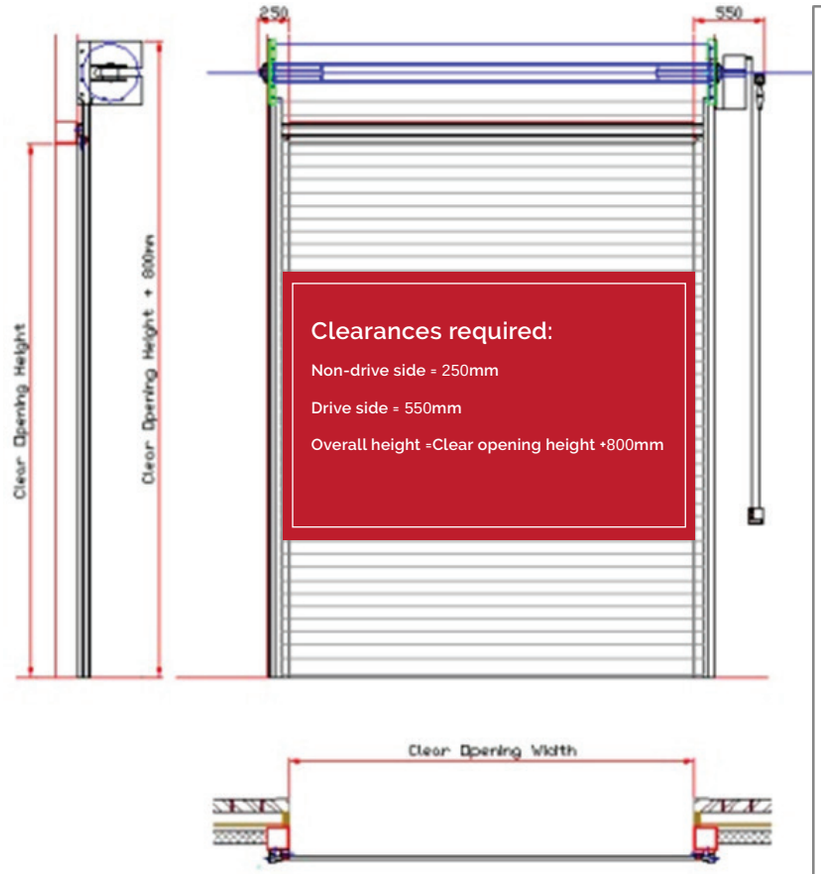
Outline dimensions



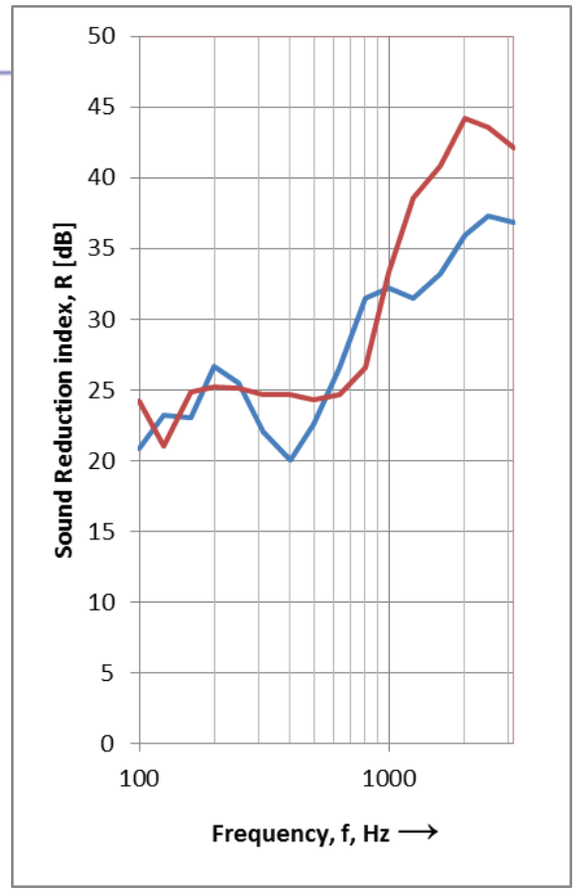
Clearances required:

Non-drive side = 250mm

Drive side = 550mm

Overall height =Clear opening height +800mm

Acoustic performance data



Frequency f [Hz]	R 1/3 Octave [dB]	R 1/3 Octave [dB]
100	20.8	24.2
125	23.2	21
160	23	24.8
200	26.7	25.2
250	25.5	25.1
315	22	24.7
400	20	24.7
500	22.6	24.3
630	26.6	24.7
800	31.5	26.6
1000	32.2	33.3
1250	31.5	38.6
1600	33.2	40.8
2000	35.9	44.2
2500	37.3	43.6
3150	36.8	42.1
R_w	30	31
C	-1	-1
Ctr	-3	-3

DOC REF: SDS114A

Product reference: Soundroll 53

Product application:

Key Features:

150mm/s

3020

Included as standard in the door structure

Technical Data:

22

Independently tested at up to R_w53

60 minutes EN 1634-1

0.49W/m²K

5 (1250

Controls:

400V, 3ph, 50Hz, 16

3

IP54 ABS controller enclosure

2.5kW dependant on door size

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DOC REF: SDS114A

SAFE-door Industries Ltd

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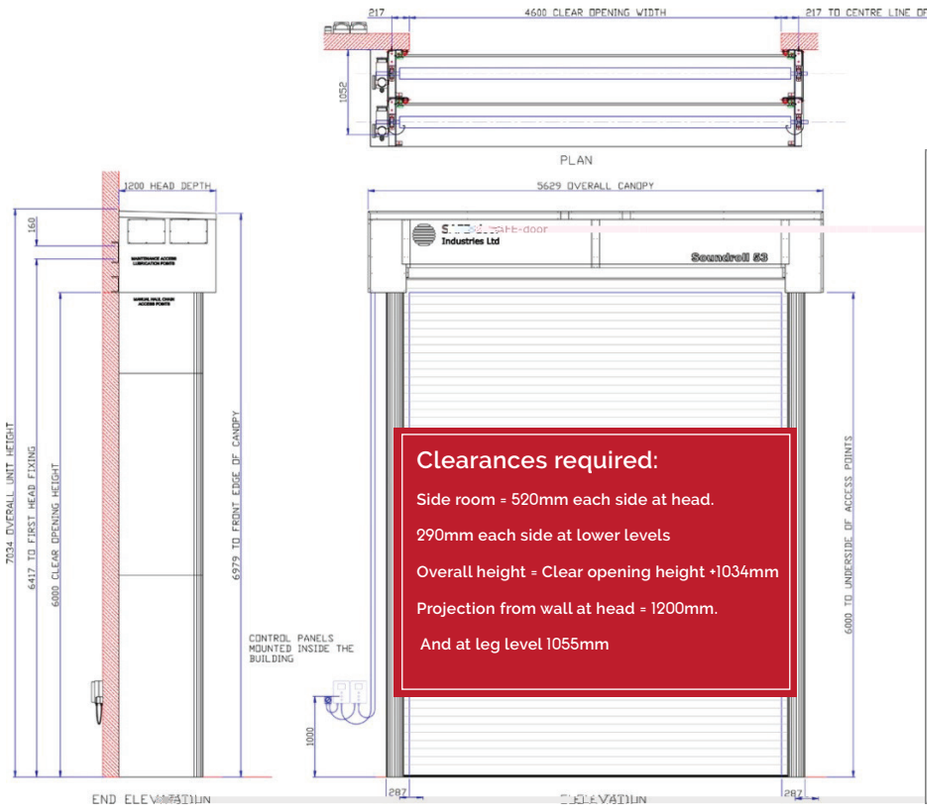
13241-1

Outline dimensions



Clearances required:

Side room = 520mm each side at head.

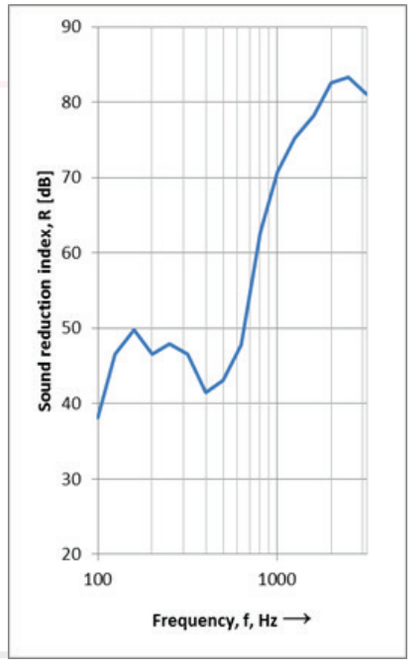
290mm each side at lower levels

Overall height = Clear opening height +1034mm

Projection from wall at head = 1200mm.

And at leg level 1055mm

Acoustic performance data



Frequency f [Hz]	R 1/3 octave [dB]
100	38.1
125	46.6
160	49.8
200	46.5
250	47.9
315	46.6
400	41.4
500	43.1
630	47.8
800	62.7
1000	70.8
1250	75.2
1600	78.2
2000	82.6
2500	83.3
3150	81.1
R_w	53
C	-1
Ctr	-4

Product reference: Soundsec 30

DOC REF: SDS109B

Product application:

Key Features:

175mm/s

Bolted direct to the structural support in the same plane as the door track

Technical data:

Acoustic composite panel

95mm

0.26W/m²K

Maximum R_w30

Maximum R_w60

Maximum >R_w60

Control system:

To suit application, standard 400V, 50Hz, 16A type B MCB supply

Standard 'Open/Stop/Close' on controller fascia set for maintained contact operation

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DOC REF: SDS109B

Drive system:

door systems

system to ensure that the door is accurately positioned on the acoustic seals

Safety devices:

12453

Technical design:

Design Flexibility:

Tandem Arrangements

independent

Soundsec Acoustic Door Test Data

Frequency f[Hz]	R 1/3 octave [dB]	R 1/3 octave [dB]
50	21.9	43.7
63	23.6	45.7
80	24.3	30.1
100	25.6	40.0
125	24.5	48.4
160	26.2	52.3
200	29.1	50.2
250	29.1	51.9
315	28.8	52.1
400	29.1	50.4
500	29.6	53.6
630	28.4	56.3
800	26.1	60.5
1000	25.8	62.1
1250	27.4	63.5
1600	29.3	67.2
2000	37.8	78.4
2500	49.4	86.7
3150	61.6	83.1
4000	59.0	76.7
5000	58.4	65.7
R_w	30	60
C	0	-1
Ctr	-2	-7
Thickness (mm)	95	600
Door Type	Soundsec 30	Tandem Soundsec 30 and Soundroll 30

Product reference: Soundmax and Soundmax XL

DOC REF: SDS110C

Product application:

Product Selection:

Soundmax:

M	1250mm x 3000
	2750mm x 3000
	R_w58
	R_w54
	>R_w65
	120 minutes EN 1634-1

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DOC REF: SDS110C

Soundmax XL:

Maximu

3000mm x 6000

6000mm x 6000

R_w57

R_w54

>R_w65

Technical data:

Soundmax Steel

81mm to 121 $_w$48dB to R_w58dB

0.53W/m²K to 1.50W/m²K

Soundmax XL Composite

100mm to 150 $_w$40dB to R_w57dB

0.39W/m²K to 0.60W/m²K

Design flexibility:

e

a

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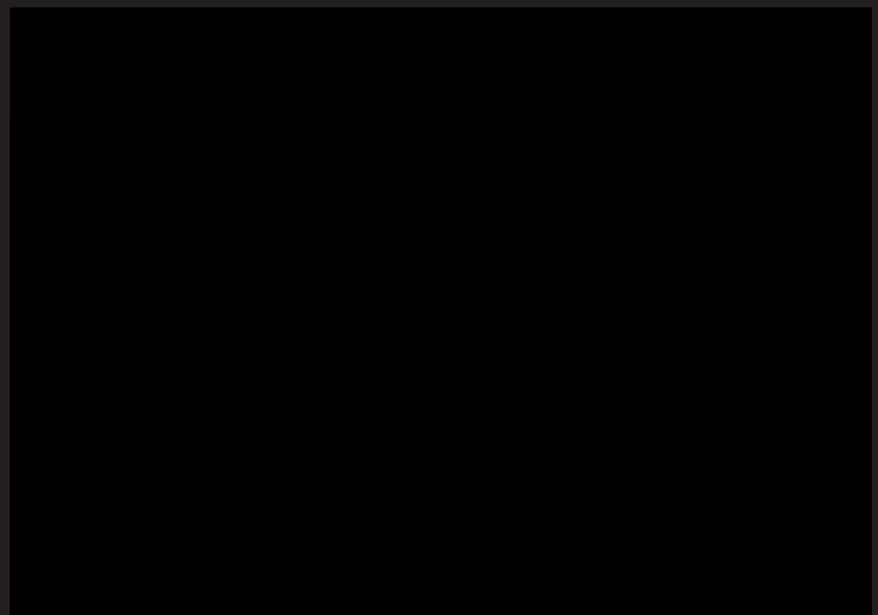

DOC REF : SDS118A

Vertical Soundslide – CCD, Dublin, Ireland

Horizontal Soundslide – CCD, Dublin, Ireland

2009

- C $_{w}$45dB Horizontal Soundslide, R_w36dB Vertical Soundslide
- R_w53
- R_w45

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Acoustic Project References

Horizontal Soundslide – Reliance MediaWorks, India

2010

- R_w30dB Horizontal Soundslide
- $_{w}$60dB Horizontal Soundslide
- $_{w}$45
- $_{w}$45 Soundslide
- $_{w}$45
- $_{w}$45dB Soundmax
- $_{w}$35dB Soundsec

Soundsec – Baths Hall, Scunthorpe, UK

2011

- R_w42dB Horizontal Soundslide
- R_w30dB Soundsec, R_w41
  Soundmax, R_w40
- R_w56
- R_w53
- R_w32
- R_w53dB Soundmax
- R_w53
- R_w53
  R_w65

Horizontal Soundslide – BBC, Cardiff, UK

DOC REF : SDS118A

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Horizontal Soundslide – ITV, Manchester, UK

2012

- R_w45dB Horizontal Soundslide
- R_w53dB Vertical Soundslide, R_w30dB Soundroll, R_w30dB Soundsec, R_w30dB Horizontal Soundslide, R_w67dB Tandem Vertical and Soundroll
- R_w53dB Horizontal Soundslide, R_w31dB Soundroll, R_w
- R_w50 R_w56
- R_w31dB Soundroll

Horizontal Soundslide – Leeds Arena, UK

Horizontal Soundslide – MTU, UK

2013

- R_w40 Horizontal Soundslide
- R_w47
- R_w30
- R_w55dB Horizontal Soundslide

Soundmax Blast and Acoustic – Drax, UK

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Soundroll – West London Film Studios, UK

2014

- R_w57dB Horizontal Soundslide
- R_w30dB Soundroll
- R_w30dB Soundsec
- R_w30dB Soundroll

Soundslide – Dyson Film Studio, UK

Soundslide – Beckton CHIP, London, UK

2015

- R_w53dB Horizontal Soundslide, R_w53dB Soundroll
- $_w$30dB Soundsec and R_w50dB Soundmax
- $_w$30dB Horizontal Soundslide
- $_w$53dB Soundroll
- $_w$30dB Soundroll
- $_w$30dB Soundsec and R_w31dB Soundroll

Soundsec – Exhibition Centre Liverpool, UK

2016 & Ongoing

Soundslide – SNFCC Opera House, Athens, Greece

- $_w$31dB Soundroll
- SNFCC Athens, Greece – R_w51dB and R_w57dB Soundslide
- $_w$53dB Soundroll
- $_w$58dB Soundmax
- $_w$31dB Soundroll
- $_w$52dB Soundmax
- $_w$50dB Soundmax
- $_w$58dB Soundmax
- $_w$53dB Soundroll
- $_w$53dB Soundslide, R_w65dB Tandem Soundslide, R_w30dB Soundsec
- $_w$52dB Soundmax
- R_w53dB Soundslide, R_w53dB Soundroll, R_w50dB Soundmax

Soundroll – Fly By Nite Studios, UK

TR745 2017 - SAFE-door Acoustic Test Data

	SOUNDSLIDE/SOUNDLIFT							SOUNDROLL			SOUNDSEC	SOUNDMAX					TANDEM APPLICATIONS		
DOOR TYPE	SLIDING -SEAL LD FOAM	SLIDING -SEAL HD FOAM	SLIDING	SLIDING TWIN SEAL	SLIDING - LOW FREQUENCY CORE	SLIDING	SLIDING	INSULATED SHUTTER CORE HP	INSULATED SHUTTER CORE UP	TANDEM INSULATED SHUTTER CORE HP	SECTIONAL OVERHEAD	HINGED STEEL-SEAL TWIN MAGNETIC	HINGED STEEL-SEAL TWIN MAGNETIC	HINGED STEEL-SEAL TWIN MAGNETIC	HINGED STEEL-SEAL TRIPLE MAGNETIC	HINGED STEEL-SEAL TRIPLE MAGNETIC	TANDEM SECTIONAL AND INSULATED SHUTTER	TANDEM 57DB SLIDING AND INSULATED SHUTTER	DOOR TYPE
DOOR MODEL	SOUNDSLIDE 41	SOUNDSLIDE 44	SOUNDSLIDE 49	SOUNDSLIDE 50	SOUNDSLIDE 53 LF	SOUNDSLIDE 53	SOUNDSLIDE 57	SOUNDROLL 30	SOUNDROLL 31	SOUNDROLL 53	SOUNDSEC 30	SOUNDMAX 48	SOUNDMAX 50	SOUNDMAX 51	SOUNDMAX 53	SOUNDMAX 54	SOUNDSEC 30 + SOUNDROLL 30	SOUNDSLIDE 57 + SOUNDROLL 30	DOOR MODEL
Frequency f [Hz]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	R 1/3 octave [dB]	Frequency f [Hz]
50	-	-	27.5	-	38.8	31.3	39.4	21.5	21.8	43.1	21.9	27.8	29.3	28.2	30.5	31.2	43.7	41.4	50
63	-	-	25.9	25.8	38.8	29.2	35.0	21.1	19.1	42.6	23.6	22.4	23.6	25.4	25.6	26.9	45.7	43.0	63
80	-	-	24.1	-	31.6	25.6	23.9	16.0	20.6	30.0	24.3	22.6	22.7	21.9	22.2	23.1	30.1	38.4	80
100	26.8	27.0	26.8	-	38.5	29.1	31.3	20.8	24.2	38.1	25.6	30.1	30.8	30.4	28.4	29.1	40.0	43.7	100
125	28.1	27.9	27.7	30.5	38.0	30.7	41.6	23.2	21.0	46.6	24.5	31.8	33.5	34.2	34.5	35.0	48.4	47.8	125
160	35.6	37.4	36.8	-	37.8	41.3	45.4	23.0	24.8	49.8	26.2	34.7	38.7	38.3	39.8	40.8	52.3	52.9	160
200	36.3	39.3	43.1	-	40.7	42.8	46.6	26.7	25.2	46.5	29.1	32.8	37.6	37.6	39.6	40.5	50.2	53.3	200
250	35.9	39.6	42.1	43.6	43.4	44.4	50.5	25.5	25.1	47.9	29.1	36.6	40.9	40.6	43.3	44.6	51.9	56.3	250
315	36.1	39.2	43.0	-	42.8	44.1	51.6	22.0	24.7	46.6	28.8	39.2	42.8	42.5	46.9	47.6	52.1	57.6	315
400	37.6	38.8	45.0	-	45.6	45.0	52.9	20.0	24.7	41.4	29.1	42.0	45.6	45.6	48.5	49.5	50.4	61.3	400
500	38.1	39.0	46.2	46.4	47.5	48.3	52.4	22.6	24.3	43.1	29.6	44.4	47.5	47.5	50.5	51.6	53.6	66.0	500
630	37.5	38.7	47.8	-	49.8	52.3	54.1	26.6	24.7	47.8	28.4	47.5	49.7	50.1	51.5	52.0	56.3	70.4	630
800	38.1	40.8	49.7	-	52.8	55.5	55.7	31.5	26.6	62.7	26.1	50.3	51.8	53.1	56.9	57.1	60.5	76.1	800
1000	39.1	42.7	50.7	50.3	56.4	58.8	59.3	32.2	33.3	70.8	25.8	51.8	53.1	55.3	59.6	59.8	62.1	80.7	1000
1250	40.4	45.1	52.0	-	60.0	61.4	60.7	31.5	38.6	75.2	27.4	52.7	54.0	56.1	62.6	62.5	63.5	82.3	1250
1600	43.6	47.1	52.9	-	62.6	63.9	61.4	33.2	40.8	78.2	29.3	52.0	53.7	55.1	65.0	65.5	67.2	84.3	1600
2000	44.7	48.1	54.8	54.8	66.2	66.3	64.9	35.9	44.2	82.6	37.8	50.6	54.4	55.2	65.7	67.4	78.4	86.1	2000
2500	46.0	48.4	57.1	-	69.4	69.1	68.4	37.3	43.6	83.3	49.4	49.1	52.9	54.0	67.3	68.7	86.7	84.6	2500
3150	46.6	49.1	60.2	-	71.9	70.3	71.1	36.8	42.1	81.1	61.6	49.4	51.8	53.1	68.3	69.7	83.1	80.2	3150
4000	47.6	50.8	62.3	61.8	72.3	69.9	71.5	38.7	43.0	76.3	59.0	50.7	55.1	55.9	70.1	70.8	76.7	73.8	4000
5000	47.5	50.8	62.8	-	63.0	64.1	63.0	40.8	44.3	66.1	58.4	53.7	57.7	58.2	64.3	66.0	65.7	62.4	5000
6300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6300
8000	-	-	-	54.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8000
R_w	**41**	**44**	**49**	**50**	**53**	**53**	**57**	**30**	**31**	**53**	**30**	**48**	**50**	**51**	**53**	**54**	**60**	**67**	**R_w**
C	-1	-1	-1	-2	-1	-2	-2	-1	-1	-1	0	-2	-1	-2	-1	-2	-1	-1	C
Ctr	-3	-4	-6	-7	-5	-8	-8	-3	-3	-4	-2	-6	-5	-6	-7	-8	-7	-7	Ctr
Thickness mm	90	90	90	90	150	150	150	22	22	600	95	81	81	81	121	121	600	600	Thickness mm
Test House	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Salford Uni	Test House
Test Report Ref	163	164	166	167	643	617	636	642	656	653	655	666	669	668	679	682	654	640	Test Report Ref
Door Model	**Soundslide 41**	**Soundslide 44**	**Soundslide 49**	**Soundslide 50**	**Soundslide 53 LF**	**Soundslide 53**	**Soundslide 57**	**Soundroll 30**	**Soundroll 31**	**Soundroll 53**	**Soundsec 30**	**Soundmax 48**	**Soundmax 50**	**Soundmax 51**	**Soundmax 53**	**Soundmax 54**	**Soundsec 30 + Soundroll 30**	**Soundslide 57 + Soundroll 30**	**Door Model**

Test Report Summary

DOC REF : TR745

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