ACOUSTIC DOOR LOUVRES

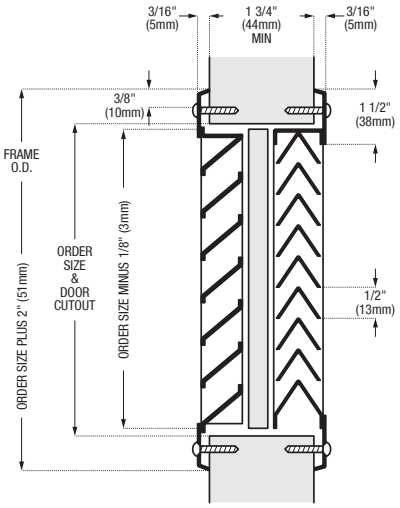
SBLS SOUND BLOCK LOUVRE SYSTEM - NON VISION

An acoustic door louvre is somewhat of a contradiction in terms; a louvre is designed to allow the passage of air through a door, but at the same time it will permit the passage of sound. The SBLS is designed to reduce the amount of sound passing through the door whilst still allowing fresh air to flow. It has become the accepted solution by many door manufacturers in noise attenuation through doors.

In acoustic tests at The School of Computing, Science and Engineering in the University of Salford's UKAS accredited laboratory, the SBLS has achieved 16 dB Rw. The system incorporates an SB Sound Block which is only 14mm thick and manufactured from sound deadening material. This is sandwiched in the door between a FDLS louvre one side of the door and a DRDL louvre on the other side; two totally different louvre designs. This allows air to flow through the door but reduces the passage of noise.

Critically, the SBLS is designed to work on 44mm thick doors. There are many acoustic louvre panels available for roof top plant rooms, cooling towers, boiler rooms, and air handling systems in all types of buildings which include deflectors and baffles sometimes many feet thick, but the SBLS was specially designed to suit standard 44mm thick doors.

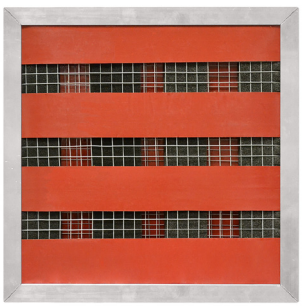
The FDLS and DRDL louvres either side are of all metal construction which results in a long and trouble free life. The SB Sound Block has an aluminium frame and galvanised steel mesh holding STC3003 Sound Sheet material and other sound deadening material in place. It is similar to our FB Fire Block in appearance.



Size:	The most popular sizes are shown below; door cut-out, outside frame and SB Sound Block dimensions. However other sizes are available to order from 152 x 152mm up to 457 x 1524mm, width x height. The SB Sound Block is always 29mm less than the door cut-out size in both dimensions.
Material:	FDLS - 18GA galvanised steel frame and louvre blades. DRDL - 18GA galvanised steel frame and 20GA galvanised steel louvre blades. SB - aluminium channel, steel clips and galvanised steel mesh.
Finish:	Louvres are galvanised steel grey primed - other finishes available to order, including Grade 304 and Grade 316 stainless steel.
Acoustic rating:	16 dB Rw. Copy of Salford University Test Report No: 132-1 dated 12.08.2010 available on request. Test Ref AC09/173/13. Tested to the International Standard Method For Measurement of Airborne Sound Insulation Of Building Elements BS EN ISO 140-3:1995.
Installation:	Please note this product should be fitted in the factory with the door in the horizontal position. This ensures the correct position of the SB Sound Block.
Door thickness:	To suit 44mm minimum thickness upwards. There is no maximum door thickness, although it will be necessary to provide some lateral support for the 14mm thick SB Sound Block on doors thicker than 44mm.
Free area:	30% free area.
Fixings:	Supplied with No 8 Phillips head screws. Special security fasteners available, see page 114.

REF	ACOUSTIC RATING dB Rw	CUT-OUT MM W X H	OUTSIDE FRAME MM W X H (CUT-OUT PLUS 51MM)	SB SIZE MM W X H (CUT-OUT LESS 29MM)
SBLS 0808*	16 dB Rw	203 x 203	254 x 254	174 x 174
SBLS 1010	16 dB Rw	254 x 254	305 x 305	225 x 225
SBLS 1208	16 dB Rw	305 x 203	356 x 254	276 x 174
SBLS 1212	16 dB Rw	305 x 305	356 x 356	276 x 276
SBLS 1616*	16 dB Rw	406 x 406	457 x 457	377 x 377
SBLS 1810*	16 dB Rw	457 x 254	508 x 305	428 x 225
SBLS 1818	16 dB Rw	457 x 457	508 x 508	428 x 428
SBLS 1836*	16 dB Rw	457 x 914	508 x 965	428 x 885
SBLS 2020	16 dB Rw	508 x 508	559 x 559	479 x 479
SBLS 2424*	16 dB Rw	610 x 610	661 x 661	581 x 581

FDLS LOUVRE



SB SOUND BLOCK

DRDL LOUVRE

WWW.ZEROPLUS.CO.UK
TEL: +44 (0)1785 282910

All products usually available ex-stock except those marked with *. Call for lead time.
Additional manufacturers carriage charges may apply for * items.
No charge for split boxes, but please try to order boxed quantity multiples where possible.