

SOUND INSULATION SONODAMP DOOR



Product description The sound-insulating Sonodamp door is a 50 mm double-walled door leaf that is manufactured from coated galvanised steel and filled with sound-insulating mineral wool. The Sonodamp door is suitable for both indoor and outdoor use.

Properties

- Sonodamp doors can be installed in walls (sandwich panels) of 60 to 100 mm
- High sound insulation value
Door model *without window* approx. 35 dB ($R_{w/practical\ value}$) in a reflective space
approx. 31 dB ($R_{w/practical\ value}$) in an absorbent space

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	$R_w(C,C_{tr})$	$R_{a,industry}$	$R_{a,voice}$	$R_{a,road}$
Attenuation R(dB)	15	25	34	31	34	44	49	41	35 (0;-2)	31	32	30

Door model *with window* approx. 33 dB ($R_{w/practical\ value}$) in a reflective space
(*window size W630 x H830 mm*) approx. 29 dB ($R_{w/practical\ value}$) in an absorbent space

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	$R_w(C,C_{tr})$	$R_{a,industry}$	$R_{a,voice}$	$R_{a,road}$
Attenuation R(dB)	15	24	30	30	33	34	41	37	33 (0;-2)	30	31	29

Specifications

- Dimensions: free clearance W 914 x H 2,105.5 mm
size of opening W 980 x H 2,185 mm
- Rotation direction: left or right
- Door leaf material: electrolytic galvanised steel plate with a thickness of 1.5 mm and powder coating
- Preservative: frame and counter frame in standard RAL 7037
door leaf in standard RAL 9002
- Door frame: built-in frame complete with single rubber seal; flange width 60 mm, complete with hole pattern \varnothing 8 mm, centre-to-centre approx. 300 mm
- Finished frame on inside, geared to the thickness of the sandwich panel
- Lock and fittings: wicket door fitted with a 1-point mechanical wicket lock with standard function; brand: BMH, type: 1000 PZW. The lock is fitted with a latch and dead bolt; the door has been prepared for a Euro profile cylinder, but this is not supplied; the inside and outside of the wicket door is fitted with a BKS stainless steel door handle with rounded backplate, type Rondo
- Seal: to guarantee optimal acoustic sealing, the frame is fitted with a profiled rubber seal that was specifically designed for our doors. There is a single rubber seal
- Hinges: the door leaf is fitted with 3 plate hinges, mounted using M8 countersunk bolts

- Threshold: raised threshold with a single rubber seal, height 46.5 mm

Use Enclosures, booths, sound-insulating and absorbent walls, walls

Customisation Other models (such as a double door), preservatives, dimensions and thicknesses available on request

