

Acoustic Steel Doors

PRESENTATION

The range of RS acoustic doors designed and manufactured by Acústica Integral respond to the market requirements. They are approved high-performance, quality, robust and high yield doors.

ADVANTAGES

Professional door with exceptional acoustic insulation of 43 dB for door without lower threshold and 49 dB for door with lower threshold. Automated self-production. Standard models and special measures. Wide range of accessories.

APPLICATIONS

Test chambers or cabins, radio stations, Dubbing and recording studios, post-production, home cinema, TV sets, rehearsal rooms, music schools. In general, rooms where the utmost acoustic insulation is required.

SPECIAL ACCESSORIES (upon request)

Viewer, exposed lock, push-bar.

TECHNICAL DATA

Description: 91 mm. thick acoustic door, made up of metal threshold and leaf in 1.5 mm thick polished sheet, filled with deadening materials.

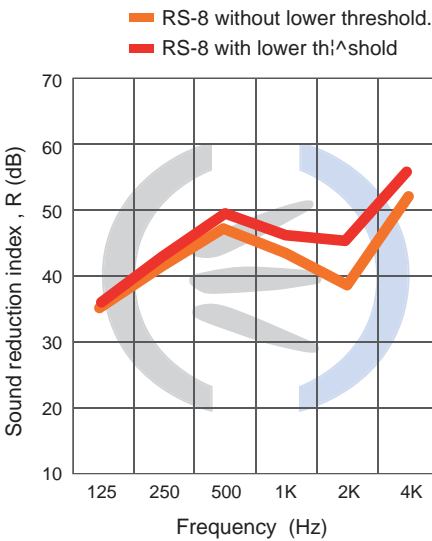
Provided with treble perimeter sealing.

Closure: slam latch, stainless steel handle.

Surface treatment: synthetic primer (prepared to be painted).

Thermal transmittance Ud: 1.46 W/m²K.

Acoustic certificate: **APPLUS** No. 17/13744-93 for door without lower threshold, and No. 17/13744-94 for door with lower threshold. Valid for door without accessories.



f (Hz)	R (dB)	R (dB)
125	35,6	37,1
250	41,1	42,9
500	47,9	49,8
1K	43,4	47,3
2K	38,3	46,1
4K	52,4	55,6

RS8 - Lower threshold

	Without	With
Overall sound reduction index, R_w (C;Ctr):	43 (-2;-2) dB	49 (-2;-3) dB
Overall weighted sound reduction index A, R_A :	41,9 dBA	47,6 dBA



STANDARD DIMENSIONS

Single leaf (W x H in mm)		
Model	Dim. Int.	Dim. Ext.
RS8/01	800 x 2000	928 x 2063
RS8/02	900 x 2000	1028 x 2063
RS8/03	1000 x 2000	1128 x 2063

Double leaf (W x H in mm)		
Model	Dim. Int.	Dim. Ext.
RS8/21	1400 x 2000	1528 x 2063
RS8/22	1600 x 2000	1728 x 2063
RS8/23	1800 x 2000	1928 x 2063
RS8/24	2000 x 2000	2128 x 2063

Unequal leaves (800+600) for RS8/21

DETAIL OF THE HANDLE



ASSEMBLY INSTRUCTIONS

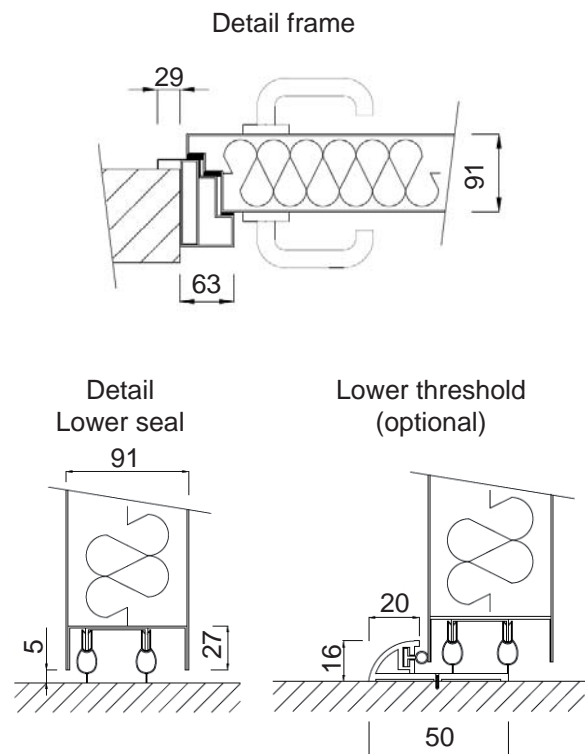
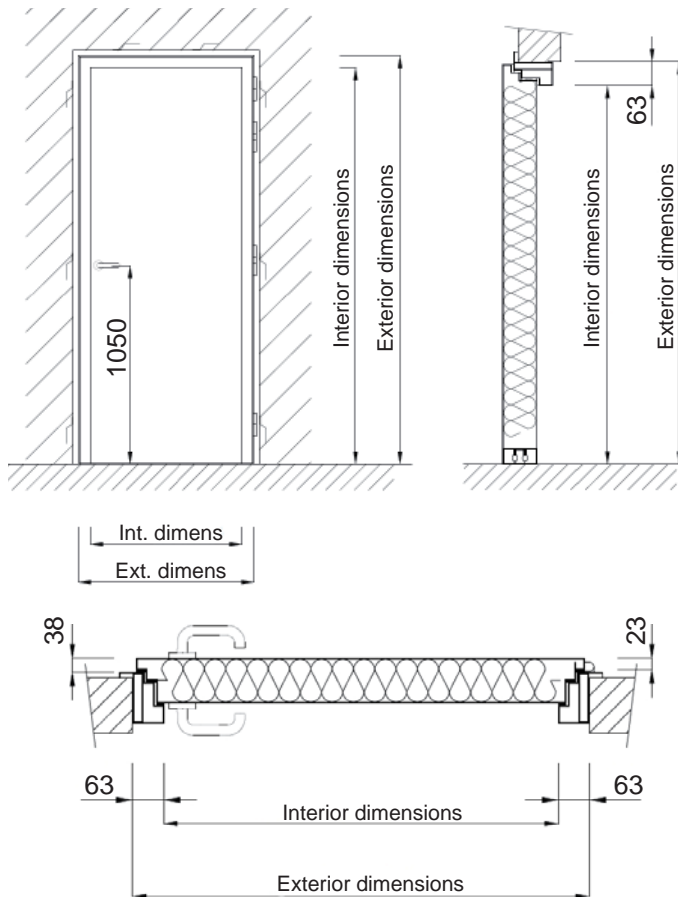
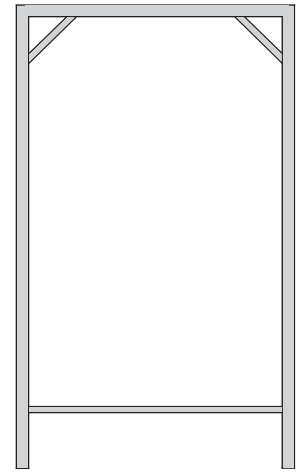
About metallic pre-frame: Firmly fix the metallic pre-frame to the partition wall or the gypsum. Move the acoustic door (frame and leaf), always closed, towards the inside space of the pre-frame and shim the door until it is level. Spot weld for the first time between the door and the pre-frame and check the vertical and horizontal levelling, do not open until definitive welding has been finished. Carry out final welding between the door and the pre-frame, once again check the levelling and open the door to verify that it works correctly. Seal the spans that remain between the pre-frame rim and door with insulating polyurethane foam or acrylic putty if there is just a little space. Keep the door closed as much as possible.

How to use:

- **Fitted with pressure handle:** To open firmly grip the handle, turn it clockwise and push the leaf; to close it, firmly grip the handle, bring the leaf towards the rim and only then turn the handle anti-clockwise until it is closed.
- **Fitted with latch handle:** To open grip the handle, turn it clockwise and push the leaf; to close it, grip the handle and bring the leaf towards the rim.
- **Fitted with panic bar:** To open, push the bar downwards and push the leaf; to close it, grip the bar or handle and bring it towards the rim.

Use restrictions: Do not hit the door with anything that could deform it. Once the leaf is open don't hang on it. Close the leaf gently without banging.

Preventive maintenance: We recommend an annual service, therefore Acústica Integral offers a contract in which we service: Mobile door elements (Hinges, handles and locks): cleaning, oiling, regulation and checking of good working order of all parts. Draught excluders and intumescent joints: substitution of damaged or badly working parts. Checking for looseness.



Note: Maximum opening of the leafs 160°