RS8 - 43 to 49 dB

Acoustic Steel Doors

Acústica Integral
making acoustics

ISO 9001
BUREAU VERITAS
Certification

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.
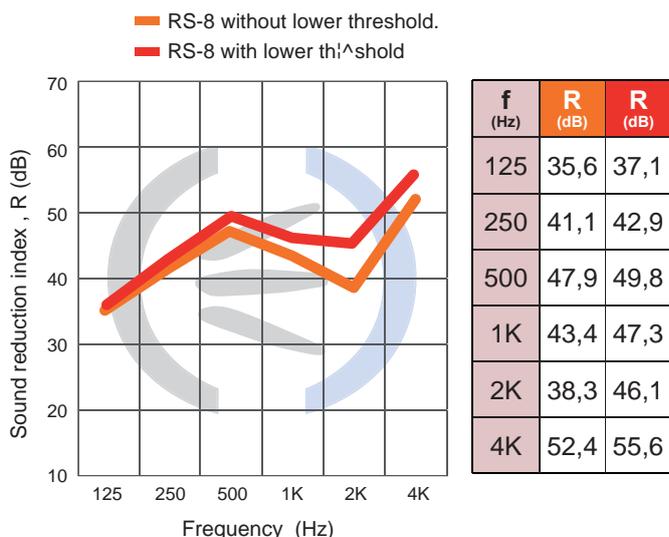Provided with treble perimeter sealing.
Closure: slam latch, stainless steel handle.
Surface treatment: synthetic primer (prepared to be painted).
Thermal transmittance Ud: 1.46 W/m²K.
Acoustic certi f cate: APPLUS No. 17/13744-93 for door without lower threshold, and No. 17/13744-94 for door with lower threshold. Valid for door without accessories.

RS-8 without lower threshold.
RS-8 with lower th¦^shold

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 - @ck Yf'h\fYg\c`X·············	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

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FC-RS8
Review: 0
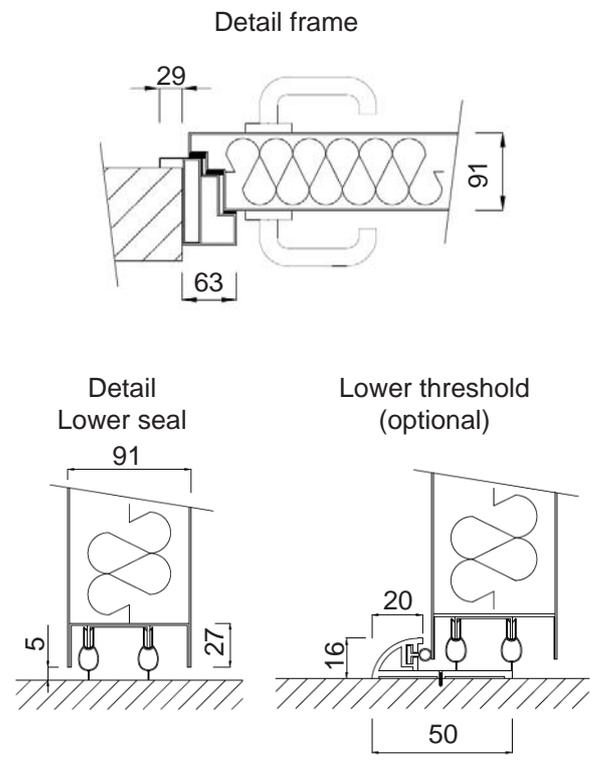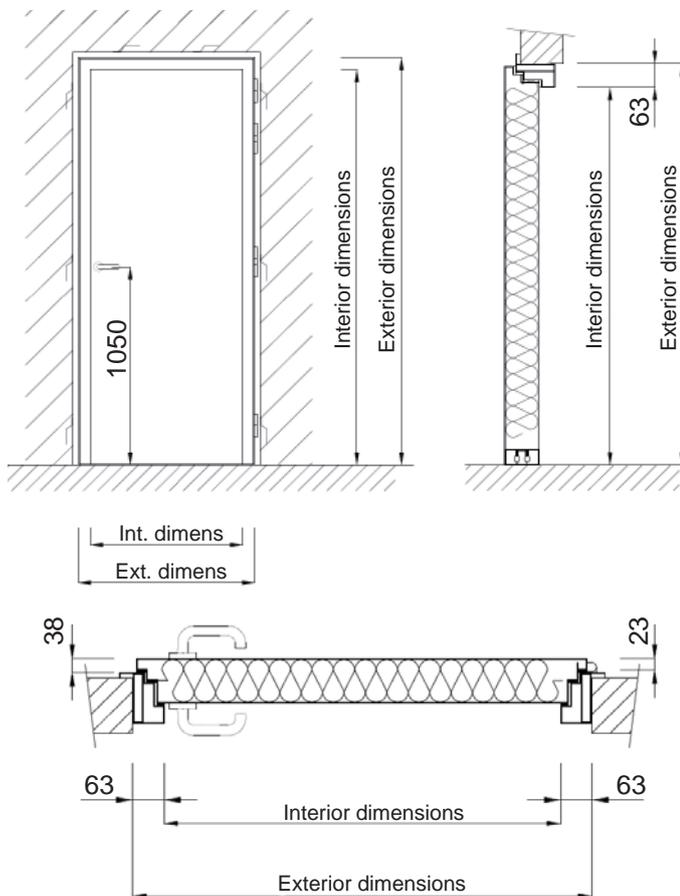Date: 27/02/2017

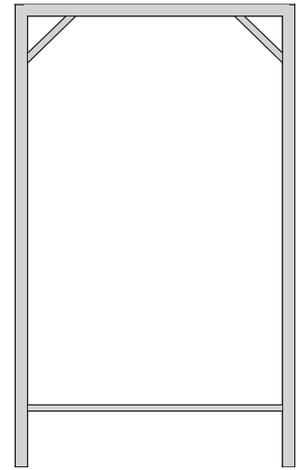Page.2 of 2

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:
- <u>Fitted with pressure handle:</u> 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.
- <u>Fitted with latch handle:</u> 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.
- <u>Fitted with panic bar:</u> 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.

Detail frame

Detail Lower seal

Lower threshold (optional)

Note: Maximum opening of the leafs 160º

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