RS3 - 51 dB

Acoustic Steel Doors

FC-RS3-EN
Review 5
Date: 20/01/2017

PRESENTATION

The **RS** range of acoustic doors designed and manufactured by **Acústica Integral** meets all market requirements. These are certified, high-performance, high-quality and robust doors.

ADVANTAGES

A professional door with exceptional acoustic insulation of **51 dB**. Standard models and special manufacturing. A wide range of accessories.

APPLICATIONS

Rehearsal chambers or rooms, radio stations, recording and dubbing studios, post production, home cinema, TV sets, rehearsal locations, music schools, In general anywhere that requires maximum soundproofing.

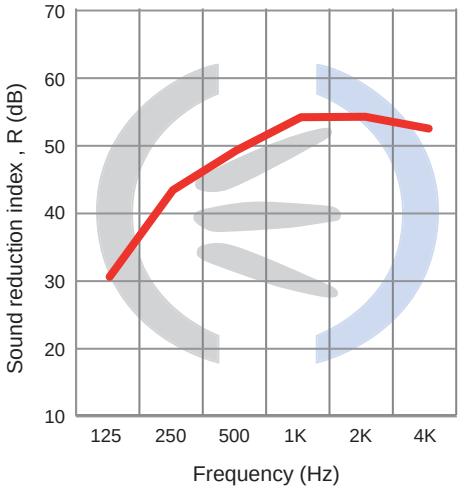
SPECIAL ACCESSORIES (upon order)

Glass vision panel, visible key-lock, push-bar, door closer… etc

TECHNICAL DATA

Description: 83mm thick steel acoustic door composed by frame and leaf manufactured with a 1.5mm thick polished metal sheet. Inner filling of the leaf: soundproofed and absorbing materials. Equipped with double perimetral seals.
Closure: Pressure using an inside cam latch.
Surface finishing: Synthetic primer (prepared for painting).
Heat transfer coefficient U_d: 1,89 W/m²K.
Acoustic certification: APPLUS N° 06/32300796 valid for the door without accessories.
CE marking.

RS3 acoustic door



f (Hz)	R (dB)
125	30,1
250	43,4
500	49,5
1K	54,6
2K	54,2
4K	52,2

	RS3
Overall sound reduction index , R_W (C;Ctr):	51 (-2;-6) dB
Overall weighted sound reduction index A, R_A:	49,2 dBA

STANDARD DIMENSIONS

Single leaf (W x H in mm)		
Model	**Int. Dim.**	**Ext. Dim.**
RS3/01	800 x 2000	880 x 2110
RS3/02	900 x 2000	980 x 2110
RS3/03	1000 x 2000	1080 x 2110

Double leaf (W x H in mm)		
Model	**Int. Dim.**	**Ext. Dim.**
RS3/21	1400 x 2000	1480 x 2110
RS3/22	1600 x 2000	1680 x 2110
RS3/23	1800 x 2000	1880 x 2110
RS3/24	2000 x 2000	2080 x 2110
Unequal leaves (800+600) for RS3/21		

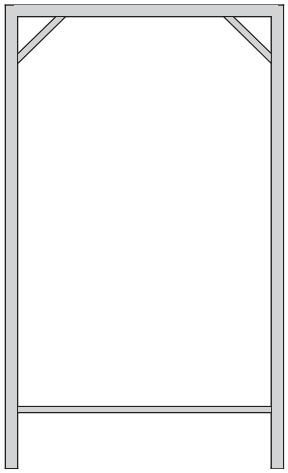
DETAIL OF THE HANDLE

© ACÚSTICA INTEGRAL, S.L. - 2017 - Reserves the right to introduce changes without prior notice.

RS3 - 51 dB

Acoustic Steel Doors

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.

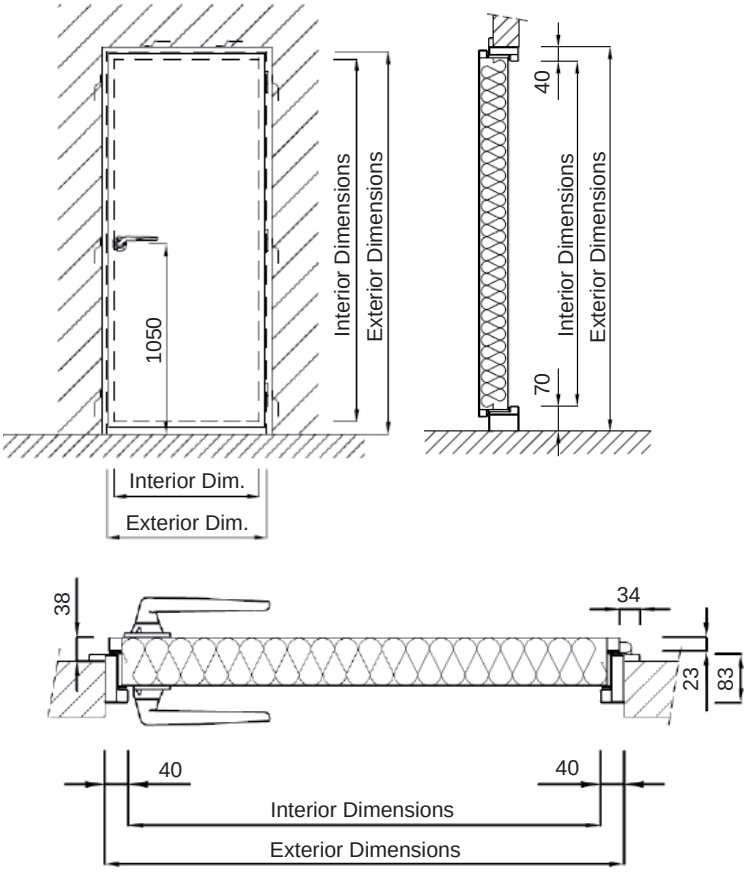
How to use:

- 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.

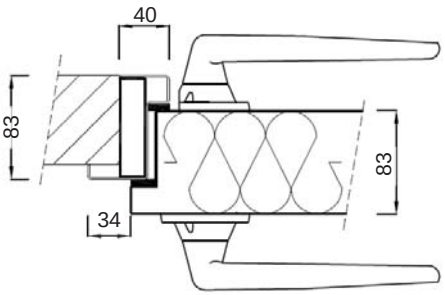
Use restrictions: Do not hit the door with anything that could deform it. Once the leaf is open don't hang on it. Close the leaf gently without banging.

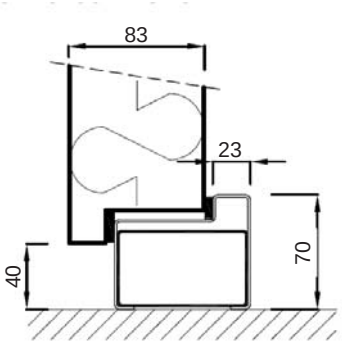
Preventive maintenance: We recommend an annual service, therefore Acústica Integral offers a contract in which we service: Mobile door elements (Hinges, handles and locks): cleaning, oiling, regulation and checking of good working order of all parts. Draught excluders and intumescent joints: substitution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

DIAGRAMS / PLANS



Detail of the frame





Detail of the lower threshold

Note: Maximum opening for leafs: 160º

© ACÚSTICA INTEGRAL, S.L. - 2017 - Reserves the right to introduce changes without prior notice.