



# RS10 - 54 dB

## Acoustic Steel Door.



### 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 an exceptional **54 dB** acoustic insulation. Automated manufacturing process. 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 acoustic insulation.

### SPECIAL ACCESSORIES (upon order)

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

### TECHNICAL DATA

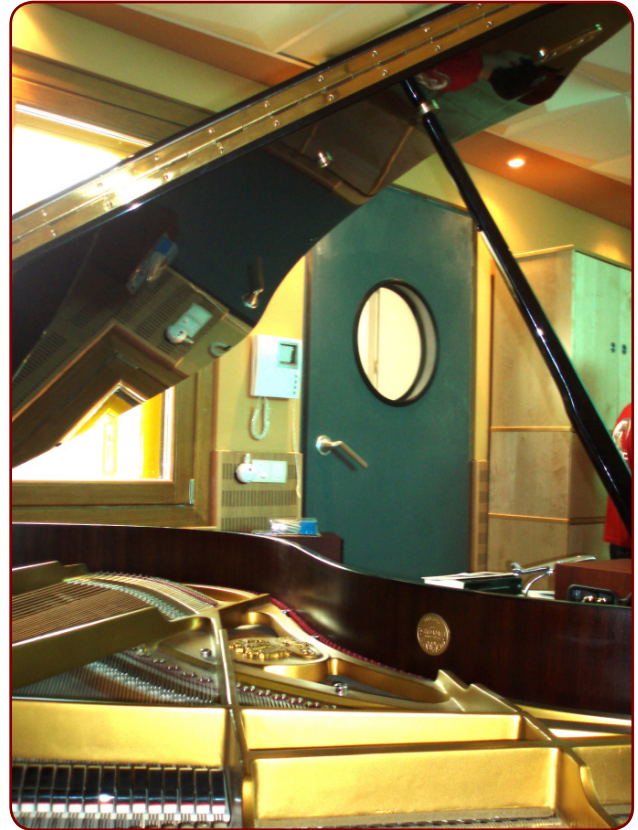
**Description:** 91mm thick steel acoustic door composed by frame and leaf manufactured with a 1.5 mm. thick polished metal sheet.

**Inner filling of the leaf:** Soundproofed and absorbing materials. Equipped with triple perimetral seals.

**Closure:** Pressure using an inside cam latch.

**Surface finishing:** Synthetic primer (prepared for painting).

**Acoustic certification:** **APPLUS** Nr. 06/32301065 valid for the door without accessories.

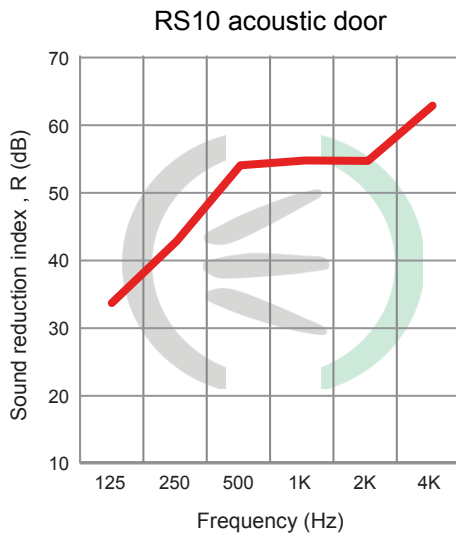


### STANDARD DIMENSIONS

Single leaf (W x H in mm)		
Model	Int. Dim.	Ext. Dim.
RS10/01	800 x 2000	926 x 2153
RS10/02	900 x 2000	1026 x 2153
RS10/03	1000 x 2000	1126 x 2153

Double leaf (W x H in mm)		
Model	Int. Dim.	Ext. Dim.
RS10/21	1400 x 2000	1526 x 2153
RS10/22	1600 x 2000	1726 x 2153
RS10/23	1800 x 2000	1926 x 2153
RS10/24	2000 x 2000	2126 x 2153

### DETAIL OF THE HANDLE



f (Hz)	R (dB)
125	34,3
250	43,3
500	53,9
1K	56,1
2K	56,2
4K	62,2

RS10	
Overall sound reduction index, $R_w$ (C;Ctr):	54 (-2;-8) dB
Overall weighted sound reduction index A, $R_A$ :	52,3 dBA

## ASSEMBLY INSTRUCTIONS

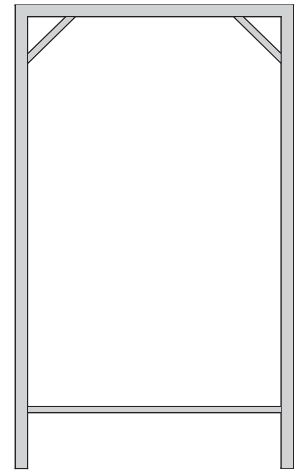
**About metallic pre-frame:** Firmly fix the metallic pre-frame to the partition wall or the gypsum. Move the acoustic door (frame and leaf), always closed, towards the inside space of the pre-frame and shim the door until it is level. Spot weld for the first time between the door and the pre-frame and 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:

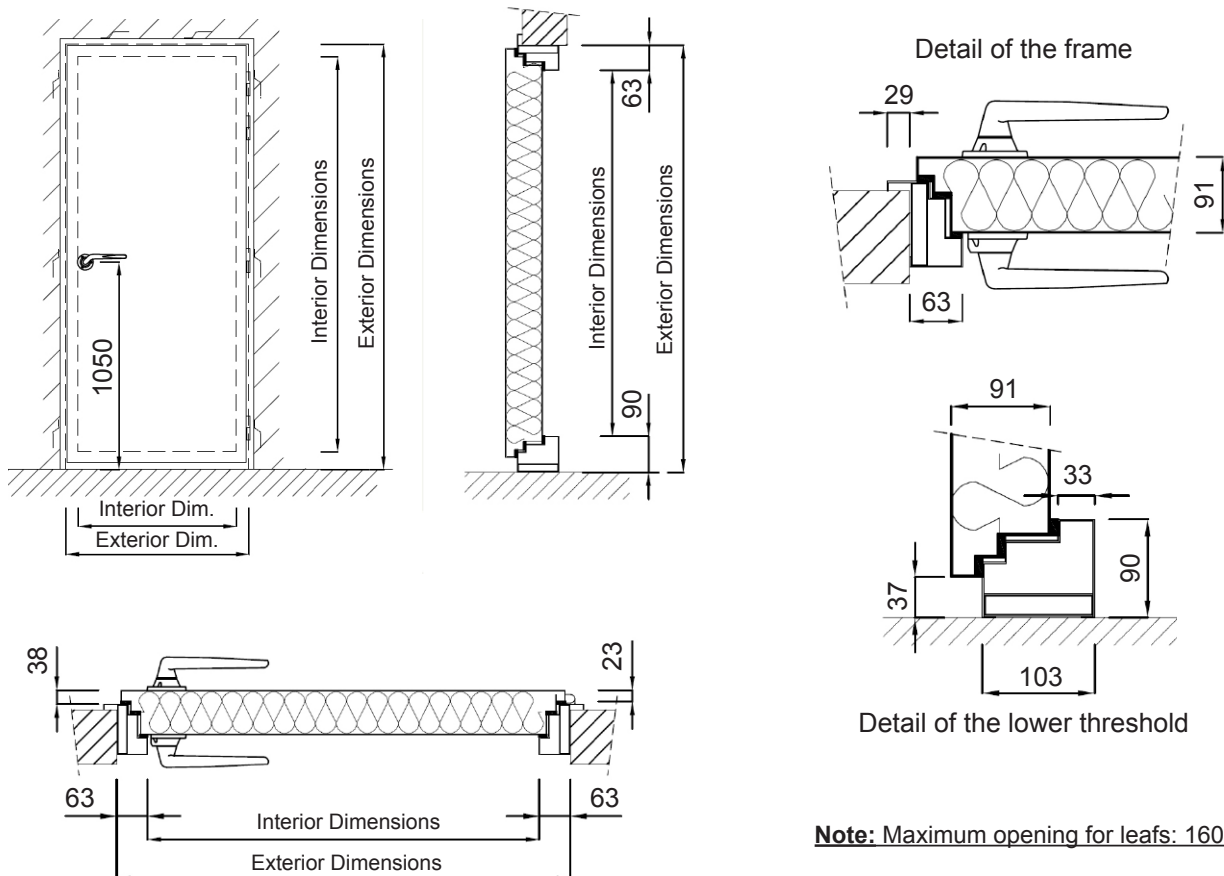
- **Fitted with pressure handle:** To open firmly grip the handle, turn it clockwise and push the leaf; to close it, firmly grip the handle, bring the leaf towards the rim and only then turn the handle anti-clockwise until it is closed.
- **Fitted with latch handle:** To open grip the handle, turn it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



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