



# RS5F - 46 dB

### Acoustic and Fire rated 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

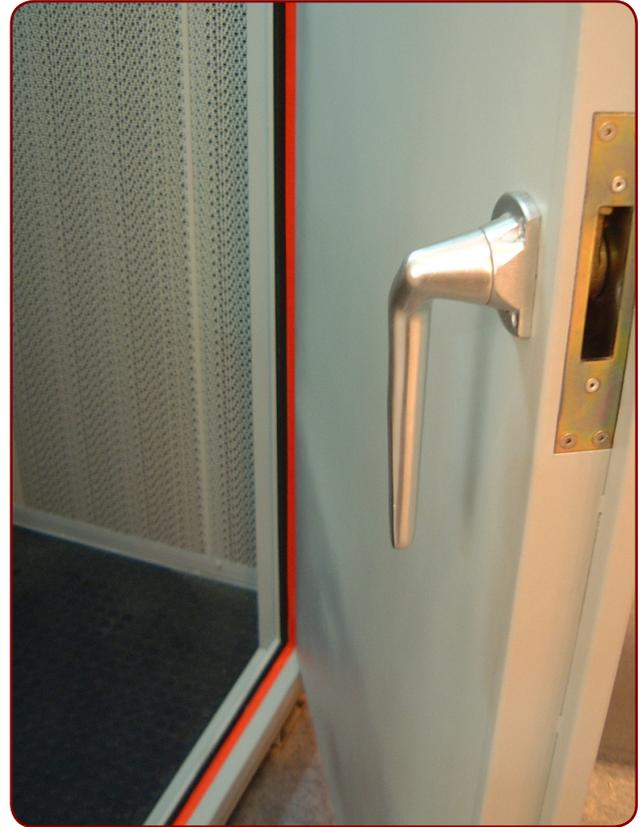
2 advantages in the same product – Fire rated door with a high acoustic insulation of **46dB**. Automated manufacturing process. Standard models and special manufacturing. A wide range of accessories. Option of large-dimensions **RS5F-XL** doors with fire resistance certificate valid up to 4880 x 4880 mm.

#### APPLICATIONS

Engine rooms, TV sets, cinemas, theatres, music bars, night clubs, pubs, offices, shops, meeting rooms, etc.

#### SPECIAL ACCESSORIES (upon order)

Push-bar.



#### TECHNICAL DATA

**Description:** 67mm thick steel fire rated and acoustic door (77mm thickness for double leaf) 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 black foam rubber and perimetral acoustic and intumescent seals.

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

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

**Heat transfer coefficient  $U_a$ :** 1,84 W/m<sup>2</sup>K.

**Fire resistance, one leaf, EI<sub>290</sub>** reverse hinges side, EI<sub>230</sub> hinges side. **APPLUS** Nr. 07/32300759.

**Fire resistance, double leaf, EI<sub>260</sub>** reverse hinges side from interior dimensions 1400 x 2000 to 4880 x 4880 mm. **APPLUS** Nr. 07/32300758.

**Acoustic certification: APPLUS** Nr. 07/32304400 valid for the door without accessories.

**Options:** **RS5F** doors can be fitted with the following accessories: pushbar, latch and door closer.

RS5F acoustic door



#### RS5F

Overall sound reduction index,  $R_w$  (C;Ctr): 46 (-1;-6) dB

Overall weighted sound reduction index A,  $R_A$ : 45,0 dBA

#### STANDARD DIMENSIONS

##### Single leaf (W x H in mm.)

Model	Int. Dim.	Ext. Dim.
RS5F/01	800 x 2000	850 x 2075
RS5F/02	900 x 2000	950 x 2075
RS5F/03	1000 x 2000	1050 x 2075

##### Double leaf (W x H in mm.)

Model	Int. Dim.	Ext. Dim.
RS5F/21	1400 x 2000	1450 x 2075
RS5F/22	1600 x 2000	1650 x 2075
RS5F/23	1800 x 2000	1850 x 2075
RS5F/24	2000 x 2000	2050 x 2075

#### DETAIL OF THE HANDLE



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### ASSEMBLY INSTRUCTIONS

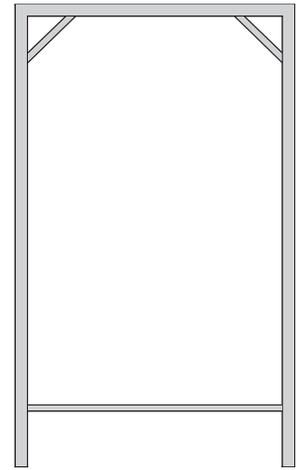
**About metallic pre-frame:** Firmly fix the metallic pre-frame to the partition wall or the gypsum. Move the acoustic door (frame and leaf), always closed, towards the inside space of the pre-frame and shim the door until it is level. Spot weld for the first time between the door and the pre-frame and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

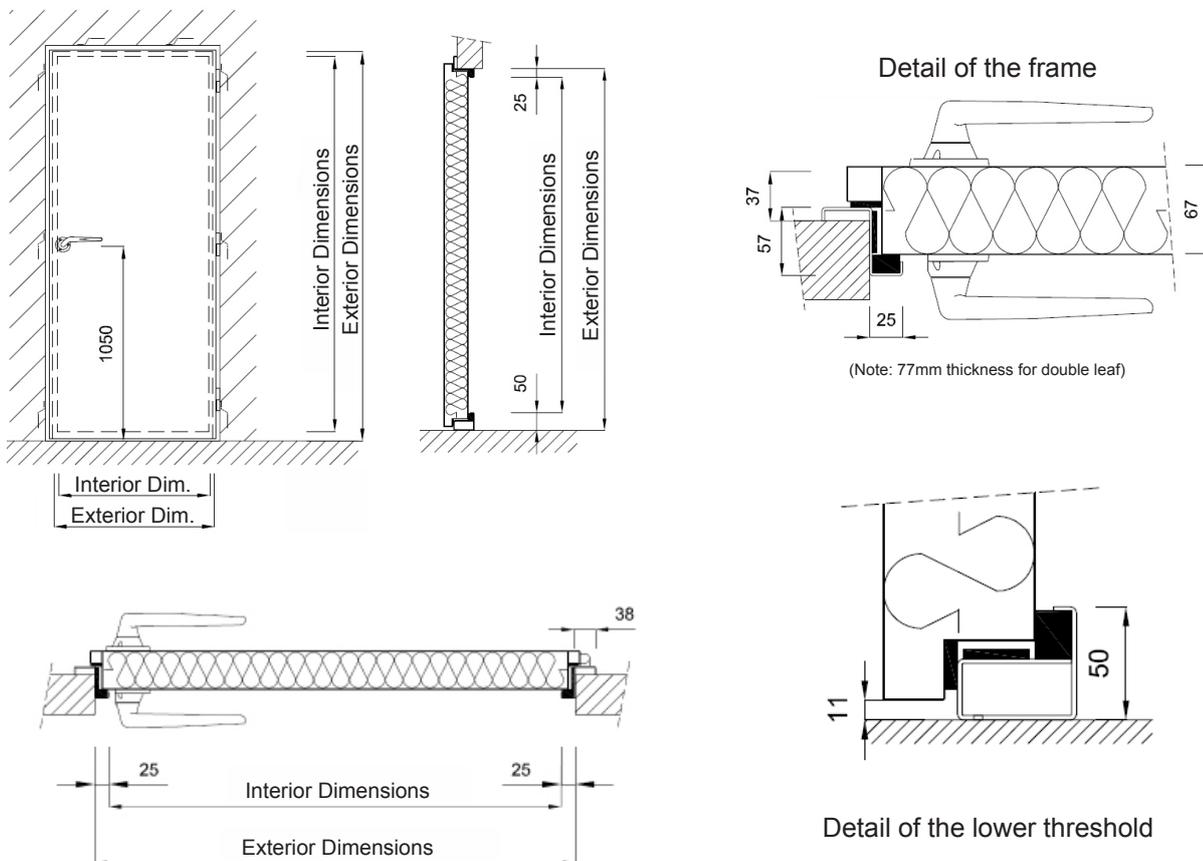
- **Fitted with pressure handle:** To open firmly grip the handle, turn it clockwise and push the leaf; to close it, firmly grip the handle, bring the leaf towards the rim and only then turn the handle anti-clockwise until it is closed.
- **Fitted with latch handle:** To open grip the handle, turn it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