

markus®

Acoustic Sliding Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

**Acoustic Sliding Doors
for sound reduction of
up to **41dB****

“Hear the Difference!”

- Maximum w x h: 3500mm x 3500mm
- Maximum Sound Reduction: 41dB
- Door Thickness: 40mm
- Operation: Manual / Automatic
- Applications: Film / Recording Studios,
Concert Halls, Hospitals

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MK2 Acoustic 41dB Sliding Doors

The **markus® Acoustic 41** Sliding Door is one of the most well-known acoustic doors on the market and was established in the 1960s. Over the years, the **markus® Acoustic** Sliding Door has been continually developed and the Acoustic 41 model offers a good looking, value for money sliding door that it is able to reduce sound to a maximum of 41dB.

Accordingly, the **markus® Acoustic 41** Sliding Door has been chosen as the acoustic stage door of choice over the last few years by World famous film studios, including Pinewood, Shepperton, Elstree and Wimbledon.

Dimensions	
max. width (W)	3500 mm
max. height (H)	3500 mm
max. sound reduction	41dB
door thickness	40 mm
Operation	manual / automatic

Components and Construction

The **markus® Acoustic 41** Sliding Door is constructed as follows:

Door Blade

Construction:	panel with internal metallic structure covered by stainless steel sheet, phenolic resin or PVC coat bound by an extruded aluminium profile surround.
Insulation:	sandwich panel composed of multi-capsule of rock wool (70kg/m ³), high density acoustic foils and calcium silicate sheets
Thickness:	40mm
Finishing:	0.8mm steel sheet lacquered white, phenolic resin, PVC coat or in AISI 304 stainless steel
Sealing:	EPDM joint profile fixed onto aluminium profile
Bottom Guide:	extruded aluminium profile finished in anodized silver
Hardware:	external and internal anodized aluminium lever type opener

Track

- Extruded aluminium profile with an anodized silver finish
- Pulleys of injected polyamide
- Steel ball bearings
- Extruded aluminium profile pulley support in a silver anodized finish

Frame

- Extruded aluminium profiles with cover strip to hide fixing screws
- Silver anodized finish

Colours

The door leaf is finished in white lacquer as standard, but can be finished in PVC, stainless steel and most other colours (RAL).

Acoustic Attenuation

The **markus® Acoustic 41** Sliding Door has been tested and certified by the LGAI Technological Centre (LGAi).

The test followed the method described in the normative UNE 74-040, according to the file number 95.008.583, and obtained the following results:

- **Global rate to airborne sound insulation:** 40.4dB (A)
- **Insulation rate Rw:** 41dB

Control and operation

The **markus® Acoustic 41** Sliding Door can be operated either manually or electrically operated with a control unit with 3 push buttons (open-stop-close) and a control panel that regulates the speed of opening and closing.

Additional controls that can be connected to the standard control box are:

- sensor / radar
- pullswitch
- key-operation switch
- radio control

Optional Extras*

- acoustic vision panel made of acoustic glass within an aluminium frame
- AISI 304 stainless steel lever type openers
- AISI 304 stainless steel canopy
- AISI 304 stainless steel frame
- electric drive unit (as described above)
- key locking mechanism
- electric locking mechanism
- additional controls as described above
- wall structural opening covering system

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