

The AcustiDoor S range comprises both single and double leaf door sets manufactured to the highest acoustic and architectural standards. They are generally supplied to suit the individual needs of specific applications and are available with either site painted finish, powder coat painted or in natural galvanised/zinc coated finish.

### Description

The doorsets are available with three alternative levels of performance, Rw39 and Rw50 both featuring a minimum of two flexible acoustic seals and heavy duty furniture and a single sealed version, nominally rated at Rw30, equipped with conventional latches and levers. The latter being suited to applications where a high acoustic performance is not demanded but a degree of robustness is required. The Rw39 and Rw50 doorsets would be supplied complete with lift-off low friction hinges and heavy duty fasteners with an internal panic push and external lever whilst Rw30 doorsets would use Assa latches and levers. Self-closing devices and other furniture can usually be supplied to meet specific design requirements. Where required, laminated or Georgian wired polished plate glass safety windows can be fitted.

### Size and Handing

Doorsets can be manufactured to suit a variety of structural opening sizes. Leaf thickness would be 52mm for the Rw39 doorsets, 82mm for the Rw50 doorset and nominally 50mm for the Rw30 doorset.

### Acoustic Performance

The doorsets have been independently tested in accordance with ISO 140: 1978 and achieve the following sound reductions.

Frequency (Hz)	125	250	500	1k	2k	4k
Rw39	20	29	38	41	46	46
Rw50	32	43	46	52	52	54

### Typical Applications

Recording studios, control rooms, interview rooms, radio and television studios, cinemas, theatres, sports halls, test facilities, manufacturing areas and equipment enclosures.

