



## NZFD FIRE RATED DOORSETS SYSTEM GUIDE

### ACOUSTIC DOORS

STC RATING dB	STANDARD SPECIFICATION	ACOUSTIC CODE	FIRE RATING (If applicable)
28 single leaf 26 double leaf	Solid core leaf hung in timber frame with compression jamb seals and sill drop seal. Blade seal on rebated meeting stile.	AC28 AC26	FRR up to NZFD60
33 single leaf 28 double leaf	As above but with the addition of heavy duty seals. Insulated vision panels may be included (up to 33% of leaf area) subject to fire rating size limitations if applicable.	ACR33 ACR28	FRR up to NZFD60
38 single leaf 36 double leaf	Ply/MDF laminated to acoustic core with internal edge strips. Hung in steel or timber frame. Jamb seals and sill drop seal. Blade seal on rebated meeting stile.	AC38 AC36	Up to NZFD240E (NZFD60E for timber frame)
39 single leaf 38 double leaf	As above but with the addition of bulb jamb seals for steel frames, double compression seals for timber frames.	ACR39 ACR38	Up to NZFD240E (NZFD60E for timber frame)
44 single leaf 46 single leaf	Interconnecting doors 1 leaf each side of wall. Sill drop seals, double compression seals for jambs. (1 leaf to be steel clad for AC46)	AC44 AC46	Up to NZFD240E (Steel frame only)

#### NOTES

1. Sound transmission class ratings identified above will be affected by the size of door, type of wall and accuracy of installation. STC ratings stated are nominal and have been derived from laboratory tests of walls and doors and/or computer analysis, site testing or assessment. Installed performance can not be guaranteed.

2. For Fire Rated Acoustic doors, the fire approval limitations on design and hardware apply. Refer NZFD DESIGN GUIDE relevant sections.

3. Heavy duty closers are recommended on doors with bulb jamb seals. Special brackets may be required since the bulb is planted onto the stop.

4. 127mm backset recommended for knob furniture if bulb seal is specified.

5. Ratings do not apply to double acting doors.

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