



NZFD FIRE RATED DOORSETS SYSTEM GUIDE

SPECIFICATION CHECK-LIST

- Fire Resistance Rating (FRR):** Determine what fire rating is required from the Fire Report.
Example of fire rating -/60/30 Sm. In this case 60 is the Integrity (ability to resist the passage of flame), 30 is Insulation (ability to resist the passage of heat), Sm is the requirement to resist the passage of smoke. Ratings are expressed in minutes. Insulation may be affected by vision panels.
Refer Acceptable Solutions C/AS 1 Table 6
Note: In most cases insulation need not exceed 30 minutes.
- Smoke Rating:** Determine if Smoke Control is required. Check if sill seals are necessary. Refer C/AS 1, 6.19.4 and Section 15 of this guide.
- Door function:** How do you want the door to operate?
Security, push/pull, double acting, emergency exit, etc.
Specify meeting stile option. Refer Sections 3 and 4.
- Door size:** Height and width/single or double leaf, etc. Identify clear opening width required by C/AS 1, 3.3.6e, 3.17.5 and fig 3.25
Refer Section 4 for maximum sizes.
Identify floor coverings and clearances.
- Location:** Interior or exterior (sheltered or exposed). Refer Section 6.
- Special Features:**
Paint quality (PQ), veneers, kickplates, corner protectors, laminates, etc.
Refer Section 8.
- Vision Panels:** Refer C/AS 1, 3.17.6 and 5.8 for requirements.
Refer to Section 10 for maximum sizes, location and ratings.
Check compliance with NZS 4223 and NZS 4232 pt 2
- Frame Profiles:**
Consider wall types, overall frame width, timber or steel, profile to suit wall construction. Refer Section 10.
- Configuration:**
Refer Sections 11 and 12 for overlights, sidelights, over panels, etc.
Check compliance with NZS 4223 and NZS 4232 pt 2
- Hardware Functions:**
Refer Section 3 for Door Functions.
Check that brand and model is approved (refer Section 13) to ensure compliance of installed door.
- Special Applications**
Acoustic. Refer Section 14.
Smoke Control. Refer Section 15.

NZ Fire Doors accepts no responsibility for design compliance with the Building Code. These notes are for guidance only.

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