



NZFD FIRE RATED DOORSETS SYSTEM GUIDE

SMOKE CONTROL DOORS

Smoke Control doors require close fitting seals to all edges except that sill seals may be omitted for specified locations. Refer Dept of Building and Housing Approved Documents C/AS 1, 6.19.4.

They may be Fire Rated or unrated.

The fundamental operational requirement is that they be shut in the event of fire. They should, therefore, be self-latching and self closing, unless specifically exempted by approving authorities.

As with Fire Doors, no hardware should be fitted that could render the door non-self-latching i.e. flushbolts or deadlocks that can be left engaged, and rebated meeting stiles that do not have selectors to ensure that the inactive leaf closes first, (this also includes single bevel latchbolts on flush meeting stiles).

Smoke Control doors may only be held open if activated by an appropriate alarm.
Refer C/AS 1, C 8.1.6

The doorset should be of adequate construction to withstand its expected usage.

Smoke Control doors are tested in a pressurised environment which simulates fire conditions, even though the door may be remote

from the fire itself. Some means of latching is therefore required in order to withstand this pressure. Roller catches are usually sufficient for this purpose. Smoke Control doors are required by the Approved Documents to be labelled (refer 6.19.6) to identify them as different from uncontrolled doors e.g. for IQP inspections, and to ensure that installation and hardware do not contravene the requirements of the Code. An Installers Declaration should be completed and returned to the manufacturer for filing.

Smoke Control doors are required to have signage as specified in F8/AS 1 4.2.

International Standards are moving towards the inclusion of testing for both Cold and Medium temperature smoke conditions and New Zealand is likely to follow suit. NZ Fire Doors is well placed to meet these standards.

Refer NZ FIRE DOORS Design Guide Section 7 Leaf/Trim Sizes, Section 6 Interior/Exterior Specifications and Section 5 Meeting Stile Options.

Also available from
Metalbilt, Auckland
 Ph: 09-828 1167, Fx: 09-828 6358
Metalbilt, Wellington
 Ph: 04-568 2933, Fx: 04-568 7337
Metalbilt, Christchurch
 Ph: 03-338 2600, Fx: 03-338 4386

NZ FIRE DOORS
 PO Box 12709, Auckland 1642
 89 Gavin Street, Ellerslie
 Ph: 09-579 8895
 Fx: 09-579 2933
 Email: sales@nzfiredoors.co.nz
 www.nzfiredoors.co.nz
Norfolk Building Products Limited