



These systems may be used where the source of exposure could be from either side of the door opening and can be used where a fire engineered solution may be required. Effective combinations of smoke and acoustic seals tested on solid core doors that meet the requirements for AUS NCC specification C3.4 Deemed-to-Satisfy for smoke doors, UK Approved Document B and NZ Building Code Compliance Document C/AS1 Pt. 6.19.2 (b). Tested to AS 1530.7 and EN 1634-3. All systems open towards positive pressure (fire side).

Smoke Leakage Rates

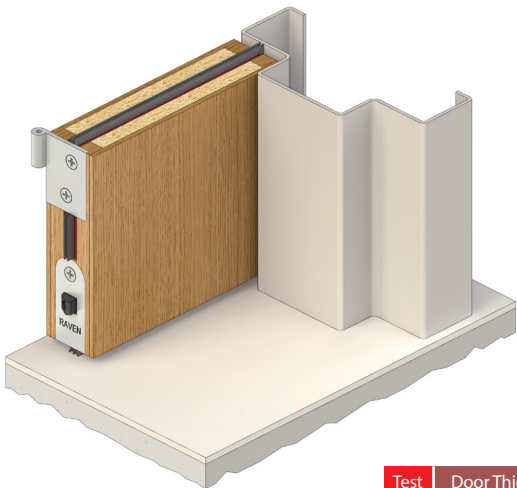
AS1530.7  $\leq 25\text{m}^3/\text{h}$  @ 25 Pa for single doors and  $\leq 40\text{m}^3/\text{h}$  @ 25 Pa for double doors when exposed to 200°C for 30 minutes in accordance with AS6905.

EN1634-3 Sa;  $\leq 3\text{m}^3/\text{h}/\text{m}$  @ 25 Pa excluding the threshold for ambient. For Sm;  $\leq 20\text{m}^3/\text{h}$  @ 50 Pa for single doors and  $\leq 30\text{m}^3/\text{h}$  @ ambient and 200°C in accordance with BS EN 13501-2.

| Test | Exposure              | Leakage rate correction | Leakage rate Q (m³/h) at a pressure differential of; |       |       |
|------|-----------------------|-------------------------|--|-------|-------|
|      |                       |                         | 10 Pa  | 25 Pa | 50 Pa |
| 01   | Ambient               | *SRC                    | 7.8  | 13.2  | 19.3  |
|      | Medium 200°C          | *SRC                    | 4.4  | 8.1   | 15.6  |
|      | Medium 200°C > 30 min | *SRC                    | 5.4  | 10.9  | 18.3  |
| 02   | Ambient               | *SRC                    | 2.5  | 4.4   | 6.8   |
|      | Medium 200°C          | *SRC                    | < 2.0  | < 2.0 | 4.2   |
|      | Medium 200°C > 30 min | *SRC                    | 4.7  | 7.9   | 10.3  |
| 03   | Ambient               | *SRC                    | 0.6  | 1.2   | 1.9   |
|      | Medium 200°C          | *SRC                    | <2.0   | <2.0  | 2.6   |
|      | Medium 200°C > 30 min | *SRC                    | 5.1  | 12.0  | 19.7  |
| 04   | Ambient               | *SRC                    | 8.0  | 13.6  | 20.0  |
|      | Medium 200°C          | *SRC                    | 4.1  | 9.9   | 13.1  |
|      | Medium 200°C > 30 min | *SRC                    | 4.6  | 9.7   | 13.5  |

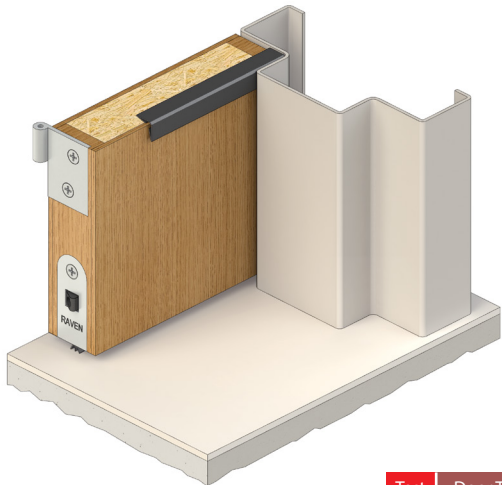
\*Standard Reference Conditions

RP76Si RP8Si



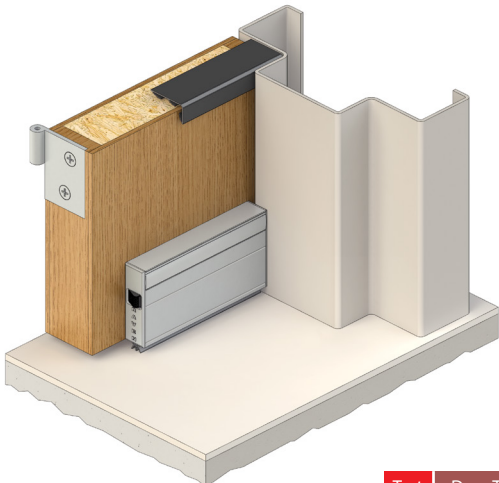
| Test | Door Thickness     |
|------|--------------------|
| 01   | $\geq 35\text{mm}$ |

RP120 RP8Si



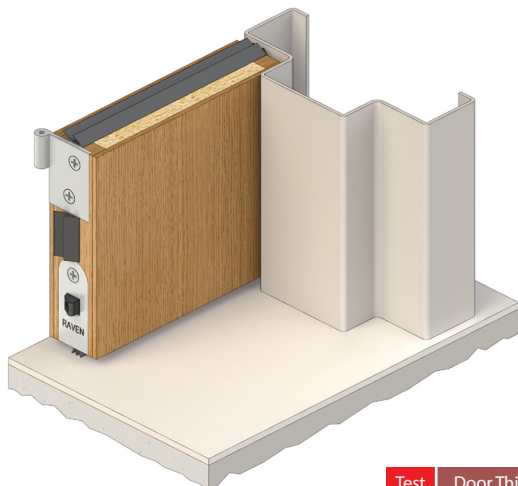
| Test | Door Thickness     |
|------|--------------------|
| 02   | $\geq 35\text{mm}$ |

RP124 RP35Si



| Test | Door Thickness     |
|------|--------------------|
| 03   | $\geq 35\text{mm}$ |

RP670 RP8Si



| Test | Door Thickness     |
|------|--------------------|
| 04   | $\geq 35\text{mm}$ |