



5 HOUR RATED SLIDING, AUTOMATIC CLOSING DOORSETS

FIRE RATED DOORSETS

**5
HOUR**



- Usage: Protection of openings in 4HR masonry walls as face of wall assembly.
- Facings: Standard 1.0mm zincanneal sheet steel. Alternative of 4mm decorative fire retardant chemical treated plywood.

All doors have 1.2mm steel channel edges to protect door leaves.
- Track System: Henderson 305/7 series track – selection depends on size of door leaf. Alternative available is 'Centor' AA4 system, but available only for doors less than 3600 x 3000mm size.
- Standard Hardware:
 - Channel Section floor guide
 - *Fusible link activated closing on wire rope and pulley system
 - Counterweight system allowing free-flow operation.
 - Flush mounted door pulls
 - Galvanised steel wall mounted door binders to leading edge
 - Indicator arrow on both faces to indicate open direction

*In addition, doors may be held open by Magnetic Hold-open units, which are wall mounted and have automatic release by smoke or heat detectors.

*Also available with Pyropanel® speed control units to comply with the BCA requirements C3.6.

- Advantages:
 - Low weight for rating ratio.
 - Can be site built where access may be limited.
 - Strong inner metal frame construction, ensuring long service life.
 - Excellent insulation and sound reducing properties.
 - Available single leaf (up to 30m²), or bi-parting pair with each leaf 5000 x 6000mm.
 - May be face of wall or cavity mounted.
 - Wicket door may be provided.

- Weight: 50kg/m²
- Thickness: 80mm
- Max. Recommended Size: 5000 x 6000mm (or equivalent square area)

*The tested prototype had not failed at 5 HOURS, but the test was terminated due to imminent failure of the masonry wall. Also, the criteria of insulation failure set at 30 minutes by AS 1530.4 was not exceeded until 129 minutes and demonstrates the remarkable insulation properties of the Pyropanel® FR Core.

Important notes for specifiers/builders:

1. Minimum head clearance above door opening is 280mm
2. All sliding fire doors must overlap top and both sides of opening 75mm
3. Wall surfaces along the travel should be level with a maximum recommended tolerance of 5mm.
4. Maximum clearance between door and floor should be 10mm.
5. Ensure no wall obstructions along the distance of travel.
6. Allow 250mm clear wall area for counter-weight case.
7. Able to comply with Building Code of Australia.
8. Sliding fire doors can be manufactured in segments and assembled on site for easier transport and handling.

IN SERVICE

