

Fire Test Certificate

This is to certify that the specimen described below has been examined by BRANZ Ltd on behalf of:

ASSA ABLOY Australia Pty Ltd 235 Huntingdale Road Oakleigh VIC 3166

Australia

Reference Standard:

Specimen Name:

Pyropanel sliding doorsets

Specimen Description: A nominal 80 mm thick sliding door with the following variations:

AS 1530.4:2014 and AS 1905.1:2015

It is considered that the Pyropanel 4-SFD, nominal 80 mm thick, single panel sliding fire doorset or the 5 -SFD two panel bi-parting or twin sliding doorset will achieve a fire resistance, in accordance with AS 1530.4:2014 and AS 1905.1:2015, of at least:

240 minutes

30 minutes

-/240/30

Integrity Insulation FRL THERE

if constructed in accordance with the attached drawing shown in Figure 1 using the closing mechanisms tested in BRANZ fire resistance tests FR 1085 and FR 1174 respectively, and including any or all the following variations:

- The meeting stile detail for the bi-parting panels may be either the channel section as tested in BRANZ fire resistance test FR 1174 or two J-sections as tested in BRANZ fire resistance test FR 1319.
- Facing and edge capping materials of 1 mm thick Zincanneal or galvanised steel or stainless steel secured with Pyropanel ADFACON adhesive.
- Construction joints as used in BRANZ fire resistance test FR 1319
- Any panel may be increased to a maximum size of 45 m² with a maximum 8,500 mm height or maximum 7,500 mm width provided that:
 - If the panel exceeds 3,000 mm in width at least three hangers shall be used to support its weight from the track, and
 - Where the panel requires construction joints at least one hanger shall be provided for each section of the panel between joints; and
 - If the load per hanger exceeds 350 kg the Henderson 307 sliding door track shall be used in place of the Henderson 305 track or, alternatively, additional hangers may be used to reduce the weight per hanger to 350 kg or less.
- The doorsets may be installed in walls of at least 240 minutes, or lesser fire resistance, of the following construction:
 - Concrete or masonry.

provided that the lintel to which the sliding track is attached has been established by an independent authority to have sufficient structural strength to carry the weight of the door panels, and for walls of lesser fire resistance the Integrity of the wall and door combination will be that of the wall. The Insulation will remain at 30 minutes.

- Each door panel may be held open with a single fusible link or may be held open by a hold-open magnetic device which is released, in the event of a fire, by the building fire detection system.
- Each door panel may include a closing mechanism as used in FR 1174 or be fitted with an approved automatic door operator activated by the building fire detection system.

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80 mm thick sliding door variations continues:

- Where the leading edge of single or twin-panel sliding doors close into concrete wall pockets the edge must be provided with an intumescent seal and may be reduced in thickness to not less than 60 mm and must enter the pocket by at least 40 mm. See Figure 4 and Figure 5.
- Each door panel may include an optional wicket door of dimensions up to 2,100 mm high x 950 mm wide and fitted with a Lockwood 8014 concealed closer or any reed switches, Lockwood/ASSA ABLOY/Pyropanel locksets, closers, hinges, panic exit devices, which have been approved for use on Pyropanel FR Board nominal 48 mm thick Maxi doorsets, for the required FRL; and
- The doorsets may be mounted to a plasterboard lined, steel framed bulkhead constructed in accordance with Figure 2 and Figure 3 provided that the bulkhead design has been established by an independent authority to have sufficient structural strength to carry the weight of the door panels; and
- The single or bi-parting doorsets may be soffit mounted directly to the underside of the concrete floor above as shown in Figure 6 provided the associated bulkhead is not greater than 400 mm high.
- The single and bi-parting doors may optionally be concealed within a cover wall.

A nominal 65 mm thick sliding door with the following variations:

It is also considered that the Pyropanel 4-SFD single panel sliding fire doorset or the 5 -SFD two panel bi-parting sliding doorset or twin-panel sliding door constructed with nominal 65 mm thick panels up to 4,000 mm high or 3,000 mm wide, with a maximum area of 10.5 m², or up to 3,600 mm high x 4,600 mm wide, with or without a construction joint, will achieve a fire resistance, in accordance with AS 1530.4:2014 and AS 1905.1-2015, of at least:

Integrity 120 minutes Insulation 30 minutes FRL -/120/30

- Each door panel may include an optional wicket door of dimensions up to 2,100 mm high x 950 mm wide and fitted with a Lockwood 8014 concealed closer or any reed switches, Lockwood/ASSA ABLOY/Pyropanel locksets, closers, hinges, panic exit devices, which have been approved for use on Pyropanel FR Board nominal 48 mm thick Maxi doorsets, for the required FRL; and
- May be mounted to a plasterboard lined, steel framed bulkhead constructed in accordance with Figure 2 and Figure 3 provided that the bulkhead design has been established by an independent authority to have sufficient structural strength to carry the weight of the door panels; and
- The single and bi-parting doors may optionally be concealed within a cover wall.

Orientation:

Fire exposure from either side

A full description of the test specimen and the test results are given in BRANZ Test Reports and Assessments:

FC10497-01 Issue 4.

Conditions of laboratory registration by IANZ do not allow assessments by the Registered Laboratory to be covered by IANZ. **Regulatory authorities are advised to examine test reports before approving any product.**

Certificate issued: Certificate expiry:

25 February 2022 25 February 2032 Certificate Number:

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P Chapman Senior Fire Testing Engineer **For BRANZ Limited**



This Laboratory is accredited by International Accreditation New Zealand (IANZ). The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

The National Association of Testing Authorities (NATA) and International Accreditation New Zealand (IANZ) are both signatories of the ILAC Mutual Recognition Agreement.

The following statement is required by the test standard *"This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance."*





Figure 2: Drawing No. SI Dr Blkhd 3 Sheet 1





Figure 3: Drawing No. SI Dr Blkhd 3 Sheet 2









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Figure 5: Cover wall to sliding door SLIDING FIRE DOOR WITH OPTIONAL COVER WALL Fire Wall-Cover Wall ROW Vertical Section Flame traps Sliding Fire Door VINIAUSTROOMS 44 Horizontal Section Fire Wall-Floor Guide Flame trap Flame trap-П Sliding Fire Door (in closed position) Cover Wall-DRAWING No. Sl Dr + Cover Wall DYROPANEL TITLE: Scale: varies Sheet: 1 Sheet size: A4 Drawn by: Date: 11/06/21 Issue # ASSA ABLOY This drawing is the property of ASSA ABLOY Australia Pty Ltd and must not be leased, sold or reproduced without written authorisation. Checked by: Date:

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Figure 6: Soffit Mounting of Sliding doors I

