



# SHORT FORM FIRE ASSESSMENT REPORT

## FC11161-02-1

**FIRE RESISTANCE OF PACIFIC DOOR SYSTEMS FS60 CAVITY SLIDER DOORSET IN ACCORDANCE WITH AS 1530.4-2005/2014 WITH REFERENCE TO NZS 4520:2010**

### CLIENT

Pacific Door Systems Limited  
17 Meachem Street  
Seaview  
Lower Hutt 5010  
New Zealand



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## SIGNATORIES



### Author

P. Chapman  
Senior Fire Testing Engineer  
Authorised to Author this report.



### Reviewed by

E. Soja  
Senior Fire Safety Engineer  
Authorised to review this report.



### Authorised by

P. Chapman  
Senior Fire Testing Engineer  
Authorised to release this report to client.

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# 1. INTRODUCTION

This short form report refers to a selection of construction variations in BRANZ's Fire Assessment report FC11161-01-2 which gives an assessment of the fire resistance, in accordance with AS 1530.4-2005/2014 with reference to NZS 4520:2010, of the Pacific Door Systems FS60 cavity slider doorset.

The referenced assessment report reviews and confirms the extent to which the referenced fire resistance tests listed in Section 2 meet the requirements of the *standard fire test* standards. The doorset construction variations from the tested prototypes are presented in Section 4 and were subject to an analysis in the referenced assessment.

# 2. SUPPORTING DATA

The referenced assessment report refers to various fire resistance test and assessment reports to support the conclusions of this report. They are listed in Table 1 below.

**Table 1: Summary of Supporting Data Referenced in FC11161-01-2**

Test Report	Test Standard	Description of Specimen
<b>Primary Prototype Test Data</b>		
FR 6027	AS 1530.4 (2014)	2,100 mm x 1,000 mm x 40 mm FRR Cavity Slider Steel stud plasterboard lined wall Various items of hardware
FR 6374	AS 1530.4 (2014)	2,100 mm x 1,000 mm x 40 mm FRR Cavity Slider Steel stud plasterboard lined wall Various items of hardware
FR10495-001	AS 1530.4 (2014)	2,100 mm x 1,000 mm x 45 mm FRR Cavity Slider Steel stud plasterboard lined wall Various items of hardware
FR10952-001	AS 1530.4 (2014)	2,400 mm x 1,238 mm x 40 mm FRR Cavity Slider Steel stud plasterboard lined wall Various items of hardware
FP11256-01	AS 1530.4 (2014)	2,127 mm x 400 mm x 44 mm FRR Cavity Slider Steel stud plasterboard lined wall 700 mm x 200 mm Pyrobel 17N glazing unit Various items of hardware
<b>Assessment Report</b>		
FC11161-01-2	AS 1530.4 (2014)	Variation to the Pacific Door Systems FS60 cavity slider doorset including various items of alternative hardware.



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### 3. DOORSET CONSTRUCTION VARIATION DETAILS

In FC11161-01-2 it was considered that the Pacific Door Systems FS60 cavity slider doorset, with leaf dimensions up to nominal 2,415 mm high x 1,240 mm wide in a clear opening up to 2,400 mm high x 1,200 mm wide, constructed as tested in BRANZ fire resistance tests FR10495-001 and FR10952-001 and including any of the hardware listed in Table 2 mounted in a timber framed or steel framed wall lined with FR plasterboard having an FRL of at least -/60/60 will achieve a fire resistance, in accordance with AS 1530.4-2005/2014 and in reference to NZS 4520:2010, of at least -/60/30.

The doorset may include the following variations without prejudice to the fire resistance rating (FRR):

- The walls may be constructed with deeper studs, acoustic studs or double studs.
- The wall may be constructed with FR plasterboard linings thicker than 13 mm.
- The steel facings and frame may be hot-dip galvanised steel in place of electrogalvanized steel.
- The leaf core may be in two or three sections with vertical or horizontal biscuit joints.

The doorset may be fitted with the items of hardware listed in Table 2.

**Table 2: Acceptable Hardware**

ITEM	DESCRIPTION
Frame seals	Kerafix® Flexpan 200, 10 x 2 mm
Pull handles	Kaba FP102 flush pull Sopersmac S85 offset grip handles, through fixed Lockwood 142X300SSS stainless steel back-to-back pull handles.
Edge pull	Windsor Brass 5267 or 5329 edge pull
Electromagnetic clamp	Kaba KML-2H
Counterweight	Mild steel 40 x 40 x 650 mm (8.2 kg)
Leaf bottom seal	Kerafix® Flexpan, 200, 10 x 2 mm two strips
Frame seal (strike jamb)	Kilargo KG1612BW intumescent batwing seal
Frame seal (Head & trailing edge)	Kilargo KP3107SS intumescent brush seal
Sliding hardware	Henderson Soltaire H120 slider track, H51/120/SS hangers and 106HSS/94 floor guide. Brio Single Run 100 A20 slider track, Brio Single Run 100 57DN hangers and Brio Single Run 100 106SSMF floor guide.
Door lockset	Lockwood 3573 sliding door lockset with latching strike and Lockwood Symphony 1220 series turn knob.
Vision panel	Pyrobel 17N glazing with clear vision up to maximum dimension of 770 mm and maximum area of 156,860 mm <sup>2</sup> with aluminium glazing beads.



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## 4. LIMITATION

This report is subject to the accuracy and completeness of the information supplied.

BRANZ reserves the right to amend or withdraw this assessment if information becomes available which indicates the stated fire performance may not be achieved.

This assessment report may only be quoted or reproduced in full.

## 5. TERMS AND CONDITIONS

This report is issued in accordance with the Terms and Conditions as detailed and agreed in BRANZ Services Agreement for this work.

The results reported here relate only to the item/s described in this report.

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