



Certificate of Test

No. 894

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This is to certify that the element of construction described below was tested by the CSIRO Infrastructure Technologies in accordance with Australian Standard 1530 - 1997 “Methods for fire tests on building materials, components and structures” Part 4: “Fire-Resistance Tests of Elements of Building Construction” on behalf of:

Firefree Coatings, Inc.
 580 Irwin Street, Suite 1
 San Rafael, CA USA

A full description of the test specimen and the complete test results are detailed in the Division's Sponsored Investigation report numbered FSV 0653.

Product Name: Fire Free FF88 System

Description: The specimen nominally 3000 x 3000 mm in area represented a non-loadbearing metal stud plasterboard partition wall. The entire exposed face and one vertical half of the unexposed face of the wall was painted with an intumescent paint. The frame comprised galvanised steel stud tracks used at the perimeter and 64CS55 galvanised steel studs fixed vertically at 600 mm centres. The frame was fixed to the specimen containing frame along the top, bottom and one vertical edge and was unrestrained along the other vertical edge. The metal stud frame was clad on both sides with 13 mm thick non-graded plasterboard which was attached vertically to the studs using Gypsum Screws paired at nominally 200 mm centres along the butt joint and perimeter and at 300 mm centres in the field maintaining a 10–16 mm edge distance. Intumescent paint Ff88 was applied to the exposed face and one vertical half of the unexposed face in accordance to the manufacture’s specification. Construction is detailed in drawing titled “Fire resistance Specimen – Fire Free FF88 System”, dated January 1999, by Boral Plasterboard Pty Limited.

The element of construction described above satisfied the following criteria for fire-resistance for the period stated.

		Unexposed face painted	Unexposed face NOT painted
Structural Adequacy	-	55 minutes	55 minutes
Integrity	-	54 minutes	54 minutes
Insulation	-	53 minutes	No failure at 55 minutes

and therefore for the purpose of Building Regulations in Australia, achieved a fire-resistance level (FRL) of 30/30/30. The FRL is applicable for exposure to fire from either direction for both side painted and from the same direction as tested for the unexposed face not painted.

Testing Officer: Chris Wojcik Date of Test: 18 March 1999

Issued on the 10th day of March 2016 without alterations or additions. This issue supersedes COT 894 dated 29/03/1999.

Brett Roddy
 Manager, Fire Testing and Assessments

	<p>NATA Accredited Laboratory Number: 165 Corporate Site No 3625 Accredited for compliance with ISO/IEC 17025</p>
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