

# Certificate of Test

No. 1981

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This is to certify that the element of construction described below was tested by the CSIRO Division of Manufacturing and Infrastructure Technology in accordance with ASTM E119 – 2005 Standard Test Methods for Fire Tests of Building Construction and Materials, on behalf of:

L & A Manufacturing Pty Ltd  
23-25 Wentworth Street  
GREENACRE NSW 2190

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FSV 1198.

Product Name: Non-loadbearing Vermitex TH sprayed partition system.

Description: The specimen comprised Trimesh wall panels sprayed with Vermitex TH cementitious compound to form a non-loadbearing partition with overall nominal dimensions of 3020-mm high x 3000-mm wide x 70-mm thick. Specimen construction comprised a steel perimeter track section (Rondo Part No. 661C) bolted to the top, bottom and one vertical side of the specimen containing frame using M12 bolts at 600-mm centres. The steel perimeter track used on the remaining vertical edge of the specimen was fixed to the top and bottom track only. A 50-mm wide x 10-mm thick strip of Insufoam was inserted within the steel bottom perimeter track section. Hilti CP611A fire rated mastic was used to provide a seal between the steel perimeter frame and the specimen containing frame. The top perimeter track incorporated five vertical M12 threaded rods located at nominally 600-mm centres extending to nominally 300-mm above the bottom perimeter track. The wall panel system incorporated Trimesh R100 wall panels measuring 1200-mm wide x 2200-mm long x 30-mm thick. These Trimesh panels incorporated a layer of aluminium foil fixed to one face of the panel using speed clips at 300-mm and 400-mm centres. The Trimesh R100 wall panels were installed inside the steel perimeter frame and incorporated the vertical M12 threaded rods located within the panels. The M12 threaded rods were wire tied to the Trimesh panels on the side opposite to the aluminium foil backing. All butt joints between the Trimesh panels of the partition system were reinforced using 300-mm wide RG1 lapping strip installed centrally over the joint and wire tied to the Trimesh panels using 1.25-mm diameter tie wire at 300-mm centres. The Vermitex TH cementitious based spray compound was spray applied directly to the foil backing of the Trimesh R100 wall panels. Construction is detailed in drawings numbered 01 and 02 by L & A Fazzini Manufacturing Pty Ltd.

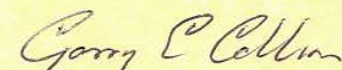
Performance observed in respect of the following ASTM E119 - 2005 criteria for fire-resistance:

Structural stability	Not applicable
Integrity	No failure at 241 minutes
Insulation	No failure at 241 minutes

The element of construction described above satisfied the ASTM –E119, Fire Endurance Test criteria for a duration of 4-hours.

Testing Officer: Brett Roddy Date of Test: 15 June 2006

Issued on the 28<sup>th</sup> day of July 2006 without alterations or additions.



Garry E Collins  
Manager, Fire Testing and Assessments



This laboratory is accredited (Accreditation No. 3632) by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of accreditation.



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