

# Certificate of Test

No. 1818

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This is to certify that the element of construction described below was tested by CSIRO Manufacturing and Infrastructure Technology in accordance with Australian Standard 1530, Methods for fire tests on building materials, components and structures, Part 4-1997 on behalf of:

EIFS Australasia Pty Ltd  
423 Bradman Road  
ACACIA RIDGE QLD 6249

A full description of the test specimen and the complete test results are detailed in CSIRO Manufacturing and Infrastructure Technology's sponsored investigation report numbered FSV 1082.

Product Name: Quik'nTuff timber-framed exterior wall system.

Description: The specimen consisted of a timber-framed exterior wall of overall nominal dimensions 3000-mm high x 3000-mm wide, clad on the exposed side with rendered panels, and the unexposed side with standard grade plasterboard. The wall consisted of a timber stud frame lined on one side with plasterboard, the other side was lined with sarking fixed to the studs with timber battens. QT insulation wall panels made from a blend of polystyrene bead materials and modified concrete, were then fixed to the battens and rendered, to form the external face of the wall system. The wall incorporated a timber stud frame made from 90-mm x 35-mm MGP12 timber studs installed in accordance with AS1684. On the external side, the timber frame was lined horizontally with Insulco 599 breathable sarking, stapled to the studs temporarily until permanently fixed with timber battens. The timber battens used to fix the sarking onto the frame, were 25-mm x 45-mm H3 treated timber, fixed to the studs with 3.06-mm x 75-mm long gun nails. The external face of the wall was completed by lining the timber battens with QT insulation wall panels, made from a blend of polystyrene bead materials and modified concrete. The panels were then coated with nominally 5-8-mm thick polymer modified cement render "SupaCoat PM660" with 160 g/m<sup>2</sup> alkali resistant fibreglass mesh (4-mm x 4-mm aperture) embedded into the surface of the wet render. The internal face of the wall frame was lined horizontally with standard grade 10-mm thick plasterboard, fixed to the frame using adhesive and 6-18-mm x 28-mm long bulge head plasterboard screws. Construction is detailed in drawings, detail numbers FT-1.1 and FT1.2, both dated 10 September 2004, by Quik'nTuff Wall Systems Pty Ltd.

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

Structural Adequacy	-	Not applicable
Integrity	-	113 minutes
Insulation	-	115 minutes

and therefore for the purpose of Building Regulations in Australia, achieved a fire-resistance level (FRL) of -/90/90. The FRL is applicable for exposure to fire from the same side as tested.

Testing Officer: Chris Wojcik Date of Test: 27 August 2004

Issued on the 30<sup>th</sup> day of September 2004 without alterations or additions.

*Garry E Collins*

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.

**CSIRO Manufacturing & Infrastructure Technology**

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