

# Certificate of Test

No. 1846

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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 Australian Standard 3013, Electrical installations – Classification of the fire and mechanical performance of wiring systems, Appendix B-1995 on behalf of:

Ramset Fasteners (Aust) Pty Limited  
296-298 Maroondah Highway  
MOOROOLBARK VIC

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FSP 1113.

Product Name: Type HC617 Pulsa Gas Pin and FP Firefix clip (1 Kg static load)

Description: The type HC617 Pulsa Gas Pin measured 17-mm in length with a shank diameter of 3-mm and a step down diameter of 2.6-mm, and was manufactured from 1055 grade steel with a mechanical Zinc plating. Each pin was attached to the exposed face of the concrete slab using a Cablemaster Pulsa gas tool and supported a stainless steel (grade 316) powder coated FP Firefix clip. A one kilogram static load was attached to the FP Firefix clip using a stainless steel cable tie.

In accordance with AS/NZS 3013:1995 Appendix B, the cable trays maintained the load for the duration of the test.

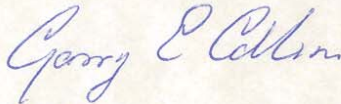
SPECIMEN	CLASSIFICATION
Type HC617 Pulsa Gas Pin and FP Firefix clip (1 kg static load)	WS5X

For the purposes of the Building Regulations in Australia the fixing met the requirements as stated in section 3.1.2 of AS/NZS 3013:1995, Appendix B Clause B7.

Testing Officer: Brett Roddy

Date of Test: 19 May 2005

Issued on the 27<sup>th</sup> day of May 2005 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.



**CSIRO Manufacturing & Infrastructure Technology**

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