



# Assessment Review FCO-2680 'Metal pipe penetration systems'

## Assessment Review

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**Client:** Ramset Fasteners Australia Pty Ltd

Commercial-in-confidence

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### Report Details:

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### Report Status and Revision History:

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Initial Issue	Final for issue	20/4/2020	CSIRO and The Client	Review of FCO-2680

### Report Authorization:

AUTHOR	REVIEWED BY	AUTHORISED BY
Keith Nicholls	Janelle Sinclair	Brett Roddy



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# 1 Introduction

This review relates to the report FCO-2680 which provides an assessment of the fire-resistance of your metal pipe penetration systems.

## 2 Confirmation of Specification

The sponsor of referenced assessment report FCO-2680 is Ramset Fasteners Australia Pty Ltd and they have stated in writing that there have been no changes to the design and material specifications of the protection systems in the following reports that are referred to in FCO-2680:-

- Loss Prevention Council Laboratories, UK report numbered TE 91647

## 3 Formal Review

Since the issue of the referenced assessment the test standard AS 1530.4 has been revised and the current version is AS 1530.4-2014. With reference to NCC Volume 1 Schedule 4 Referenced Documents Table 1, the note under AS 1530.4 states the following;

- “(a) Until 1 May 2022, subject to the note to AS 4072.1, reports relating to tests carried out under earlier editions of AS 1530 Parts 1 to 4 remain valid.
- (b) Reports relating to tests carried out after the date of an amendment to a Standard must relate to the amended Standard.”

As a result of this, our client has requested that we review this report against the requirements of AS 1530.4-2005.

Since the issue of assessment report FCO-2680 there have been no changes to the procedures and methodologies used for the original assessment and are similar to those currently in use.

The design and material specifications of the protection systems used for the original assessment has been re-examined and found to be satisfactory.

Therefore it is confirmed that the assessed performance in FCO-2680 is considered valid subject to the requirements in Section 4.

## 4 Term of Validity

This review remains valid until 30<sup>th</sup> April 2022. Should you wish us to re-examine this report with a view to the possible extension of its term of validity, would you please apply to us three to four months before the date of expiry. This Division reserves the right at any time to amend or withdraw this assessment in the light of new knowledge.

## 5 Limitations

The conclusions of this assessment report may be used to directly assess the fire resistance performance under such conditions, but it should be recognised that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

Because of the nature of fire resistance testing, and the consequent difficulty in quantifying the uncertainty of measurement, it is not possible to provide a stated degree of accuracy. The inherent variability in test procedures, materials and methods of construction, and installation may lead to variations in performance between elements of similar construction.

This assessment report does not provide an endorsement by CSIRO of the actual products supplied to industry. The referenced assessment can therefore only relate only to the actual prototype test specimens, testing conditions and methodology described in the supporting data, and does not imply any performance abilities of constructions of subsequent manufacture.

This assessment is based on information and experience available at the time of preparation. The published procedures for the conduct of tests and the assessment of test results are the subject of constant review and improvement and it is recommended that this report be reviewed on or, before, the stated expiry date.

The information contained in this assessment report shall not be used for the assessment of variations other than those stated in the conclusions above. The assessment is valid provided no modifications are made to the systems detailed in this report. All details of construction should be consistent with the requirements stated in the relevant test reports and all referenced documents.

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