



Testing. Advising. Assuring.

WF Report No. 381169
Page 1 of 4
13th March 2017

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Review of Assessment Report Referenced WFRC No. C81379

1 Introduction

The assessment referenced WFRC No. C81379 provides an opinion regarding the fire resistance performance of non-loadbearing external wall assemblies.

The report concludes that the proposed walls should be capable of providing 240 minutes integrity and 15 minutes insulation performance, if subjected to a fire resistance test generally in accordance with Clause 5 of BS 476: Part 22: 1987.

2 Confirmation of Specification

It has been confirmed by Astron Building S.A. that there have been no changes to the specification considered in the original appraisal referenced WFRC No. C81379.

It has, however, been requested that consideration be provided to the use of alternative cladding profiles to that previously appraised. Details of the alternative profiles are shown in Figures 1 and 2, appended to this document. The proposed cladding shall be of identical specification to that previously fire tested, other than for a change in profile. The cladding option shown in Figure 2 shall also be of increased thickness compared with that tested (increase from 0.5 to 0.75 mm). This is expected to result in a stiffer cladding which is less conducive to distortion under fire test conditions.

It is therefore considered that the use of these alternative claddings may be added to the scope of the previous appraisal.

3 Conclusions

The data used for the original appraisal has been re-examined and found to be satisfactory.

The procedures adopted for the original test have been re-examined and are similar to those currently in use.

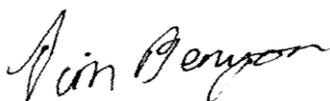
Therefore, with respect to the assessment of performance given in WFRC No. C81379, the contents should remain valid until the 1st April 2022.

4 Validity

This review is based on information used to formulate the original assessment. No other information or data has been provided by Astron Buildings S.A. which could affect this review.

The original appraisal report was performed in accordance with the principles of the UK Fire Test Study Group Resolution 64A: 1993, which has since been superseded by Resolution 82: 2001. This review has therefore also been conducted using the principles of Resolution 82: 2001.

Performed by:



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Figure 1: Proposed Alternative Cladding Profile

