

Review of Test Report Referenced WF No. 152720/C Issue 2

The report referenced WF No. 152720/C Issue 2 relates to a fire resistance test conducted to assess the ability of four specimens of a linear gap sealing system, to reinstate the fire resistance of a pre-cast, aerated concrete floor construction and four specimens of a linear gap sealing system, to reinstate the fire resistance of a pre-cast, aerated concrete wall construction. The performance of the specimens was assessed against the general principles of BS 476: Part 20: 1987 and the additional guidelines taken from the draft European document referenced prEN 1366-4.

The section of wall had overall dimensions of 1000 mm long by 1000 mm wide by 250 mm thick and was provided with four linear joints, referenced Specimens A, B, C, and D. The section of floor had overall dimensions of 1200 mm high by 1200 mm wide by 250 mm thick and was provided with four linear joints, referenced Specimens E, F, G, and H.

The results of the test were as follows:

Test Results	Seal A	Seal B	Seal C	Seal D	Seal E	Seal F	Seal G	Seal H
Specimen orientation	Wall	Wall	Wall	Wall	Floor	Floor	Floor	Floor
Dimensions (mm)	10 x 10	20 x 15	30 x 25	30 x 15	100 x 15	50 x 15	30 x 15	15 x 6
Integrity	240 minutes	240 minutes	240 minutes	240 minutes	240 minutes	240 minutes	240 minutes	240 minutes
Insulation	220 minutes	156 minutes	161 minutes	105 minutes	240 minutes	240 minutes	240 minutes	240 minutes
	The test was discontinued after a period of 240 minutes.							

2 Confirmation of Specification

It has been confirmed by Bostik Ltd that there have been no changes to the specification of the linear joint sealing systems detailed within WF No. 152720/C Issue 2 since the test was conducted.

3 Conclusions

The procedures adopted for the original test were Ad-Hoc in nature and were based upon both the requirements of the existing national standard BS 476: Part 20: 1987 and the draft standard prEN 1366-4. The BS EN 1366-4: 2006 standard has subsequently been published; the conditions of the test described in reference WF No. 152720/C Issue 2 have been re-examined and are similar to those currently in use.

Therefore, with respect to the fire resistance test report referenced WF No. 152720/C Issue 2, the contents and conclusions should remain valid until the 1st July 2019.

4 Validity

This review is based on information used to formulate the original test report. No other information or data has been provided by Bostik Ltd which could affect this review.

This appraisal was performed in accordance with the principles of the UK Fire Test Study Group Resolution 82: 2001.

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