

Testing. Advising. Assuring.

WF No. 196299/1  
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18<sup>th</sup> August 2010

**Mr. R. Nolan**  
**Polypipe TDI**  
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Dear Mr. Nolan

## **Review of Assessment Report Referenced WFRC No. C128619**

### **1 Introduction**

The assessment referenced WFRC No. C128619 provides an appraisal of the performance of a proprietary linear gap sealing system, similar in construction to that tested under WARRES No.116762/A, referenced 'TDI Cavity Stop', within gaps between masonry supporting wall or floor constructions when assessed against the performance criteria for integrity and insulation of BS 476: Part 20: 1987, with additional guidelines from the draft European document prEN 1366-4: 1998.

The tested gap seals comprised PVC backed, mineral fibre insulation with a thickness of 50 mm (uncompressed) and a depth of 100 mm installed within a 20 mm wide gap provided within a masonry wall or concrete floor construction.

The report proposed that 'TDI Cavity Stop' seals may be utilised within a wider gap construction of up to 100 mm in order to provide a fire resistance performance, in terms of integrity and insulation when assessed against the general criteria of BS 476: Part 20: 1987, with additional guidelines taken from the draft European document prEN 1366-4: 1998, for a reduced period of 60 minutes.

The appraisal report concluded that the specimens of gap sealing systems referred to in WARRES No. 116762/A, if modified as discussed in the appraisal report, should be capable of satisfying the integrity and insulation performance criteria of BS 476: Part 20: 1987, with additional guidelines from the draft European document prEN 1366-4: 1998, for a period of 60 minutes.

### **2 Confirmation of Specification**

It has been confirmed by Polypipe TDI that there have been no changes to the specification of the products considered in the original appraisal referenced WFRC No. C128619.

### 3 Conclusions

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

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

Whilst the referenced draft European document prEN 1366-4: 1998 has since become a formal test standard, the additional guidelines taken from it for the original test and assessment have not changed.

Therefore, with respect to the assessment of performance given in WFRC No. C128619, the contents should remain valid until the 1<sup>st</sup> September 2015.

### 4 Validity

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

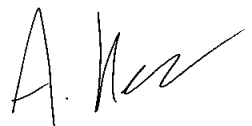
The original appraisal report was performed in accordance with the principles of the UK Fire Test Study Group Resolution 82: 2001. This review has therefore been conducted using the principles of Resolution 82: 2001.

Performed by:



**C Johnson**  
Principal Certification Engineer  
**Exova Warringtonfire**

Reviewed by:



**A Kearns**  
Technical Manager  
**Exova Warringtonfire**

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