

Exova Warringtonfire  
Holmesfield Road  
Warrington  
WA1 2DS  
United Kingdom

T : +44 (0) 1925 655 116  
F : +44 (0) 1925 655 419  
E : [warrington@exova.com](mailto:warrington@exova.com)  
W: [www.exova.com](http://www.exova.com)



Testing. Advising. Assuring.

**Title:**

A fire test utilising the general principles of BS 476: Part 20: 1987 on two specimens of horizontally mounted insulated flue systems referenced Metaloterm AD/AM

**Report No:**

394993



**Prepared for:**

**Ontop B.V.**  
Oude Veersweg 23  
4332 SH  
Middleburg  
Netherlands

**Date:** 1<sup>st</sup> June 2018

# Summary

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**Objective** To determine the integrity performance of a flue system when exposed internally and externally to the heating conditions specified in BS 476: Part 20: 1987.

**Sponsor** **Ontop B.V.**, Oude Veersweg 23, 4332 SH , Middleburg, Netherlands

**Summary of the Tested Specimens** Generally, the flue system comprised stainless steel sections having an outside diameter 325mm and an internal diameter of 250mm. The cavity between the inner and outer faces was insulated with mineral wool nominally 37mm thick by 150 kg/m<sup>3</sup>. The flues passed through a 220mm thick masonry wall and were provided with fire stop collars. For the purpose of the test the Specimens were referenced A and B. Specimen A was tested with an open end in the furnace and Specimen B was tested with a closed end in the furnace. The flue system was referenced MetalotermAD/AM

If the ability of the specimens were assessed against the integrity criteria of BS 476: Part 20: 1987, the results could be expressed as follows:

## Test Results:

**Specimen A** 240 minutes\*

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**Specimen B** 240 minutes\*


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\*Test duration. The test was discontinued after a period of 240 minutes.

**Date of Test** 9<sup>th</sup> March 2018

# Signatories

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Responsible Officer  
**G. Edmonds\***  
Senior Technical Officer



Approved  
**W. Drazkiewicz\***  
Senior Technical Officer

\* For and on behalf of **Exova Warringtonfire**

Report Issued

Date: 1<sup>st</sup> June 2018

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