



FIRE TEST Department

TEST REPORT TOETSVERSLAG

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 No: revision of
 Page: 1 of 2
 Date 12/06/2016

TITLE: **Non combustibility of 12 Panel Uniboard
 MgO 9mm board**

TESTED BY: **NES Consult & Associates: Fire Test Dept.**
 REQUESTED BY: **Palle**
 VENDOR: **UNIboard**
 CONTRACT NO: **16 034**
 AUTHOR: **D. Oosthuizen**
 TEST DATE: **12/06/2016**

1. Introduction

It is recommended that the user obtain confirmation from a competent person that the content of an International Fire test report that the content of this Test reports are valid and compares and relates with South African National Standard.

2. Nature of Revision

The sponsor request NES Consult & Associates Fire Test Department to compare related test reports from Warrington firegent tabled as follow.

Test:	Test report:	Test performed according to:	Relate to SANS test procedure
Non combustibility	17719 -A	EN ISO 1716 :20110	SANS 10177-5:2012
Non combustibility	17719 -B	EN ISO 1182 :2010	SANS 10177-5:2012
Non combustibility	-C	EN ISO 1182 :2010	SANS 10177-5:2013
Classification	-D	EN 13501 -1 2007	
Application report Ex.	-E	EN ISO 1182 :2010 & 1716:2010	
Classification	-F	EN 13501 -1 2007	
Fire resistance	17751 A	EN 1364 -1:2005	SANS 10177-2
Classification	17751 B	EN 1364 -1:2005	SANS 10177-5 & -10 :2012
Classification	17751 C	EN 1364 -1:2005	SANS 10177-5 & -10 :2012

3. Description of sample:

The samples tested by Warrintonfiregent consisted of 2 layers of MgO board both sides. (reputedly this material is equivalent of the 9mm x2 x2, on a steel stud with Rock wool joint cavity batt between studs.

4. Nature and method of test:

This test to determine the non-combustibility of the material was carried out in a furnace in accordance with requirements of SANS 10177 part 1-10.

This test method EN ISO 1716 AND 13501 is essentially similar to BS476 : part 4: 1970

5. Results of tests.

- 5.1 *The tests proof the Wall 12 panel samples to be non combustible.*
- 5.2 *According to similar test done the product will be classed as class A- (non combustible)*
- 5.3 *negative aspects: the fire resistance test obtained no relationship with timber studs.*
- 5.4 *The TIASA listed rating for this sample in rela A / A1 / 1 (no limits)*
- 5.5 *The fire Stability rating confirmed with this test configuration is: EI 90, EW 90, E90.*

6. LIMITATIONS

The results in this report only relate to the behaviour of the specimen of the element of construction under the particular conditions of the test. They are not intended to be the sole criteria for assessing the potential performance of the element in use nor do they reflect the actual behaviour in fires.

The test result relate only to the specimen tested. The fire resistance performance of the specimen of this design may change if different dimensions, different gaps, incorporating different components or mounted within different wall load bearing constructions.

The specimen was asymmetrical and was tested such that the specified surface towards the load condition of the test. The result may vary and not be appropriate to situations with the other side towards the heat source.

Warning: This report does not represent type approval nor classification of the product.

DM Oosthuizen

HEAD: NESConsult Fire Test Lab.

Report	Names	Signatures	Date
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