(A)

SABS

TEST REPORT

Your ref	: 41718
Our ref	: FPE/46171/19
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Report	: BTC-190918-00042
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Date	: 2019/09/18

SHOPSPEC LIGHT STEEL FRAME BUILDERS
Attention: Lucre Deale
PO Box 11037
Pietermaritzburg
3206

FIRE TETSING OF MATERIAL, COMPONENTS AND ELEMENTS USED IN BUILDINGS PART 5 - NON COMBUSTABILITY TEST AT 750 °C OF BUILING MATERIALS
SANS 10177 Part 5: 2012

1. SIGNIFICANCE OF THE TEST RESULTS CONTAINED IN THIS REPORT

1.1 Refer to the print at the back of this page.

1.2 The sample described was tested in accordance with SANS 10177-5 *"Non combustibility test at 750°C of building materials"*.

2. CONCLUSION

The sample was found to be combustible and is thus classified as B. The UoM was applied to the result and the outcome remains the same.

3. DESCRIPTION OF SAMPLE

One sample of thermally insulated panel/board material was received. The sample consisted of three sheets each being ±300 mm long, ±300 mm wide with a thickness of ±16 mm. The boards consisted of PU foam insulation with a white steel facing on the one side and foil facing on the other. The date of manufacture, conditioning and sampling history prior to receipt of the sample is unknown.

Date of receipt:	2019/08/12
Date of test:	2019/09/18
Name of manufacturer:	Spänl
Product trade name:	Mono Flat
Measured density of material:	167 kg/m³

4. CONDITION OF SAMPLE.

The sample was found to be in a suitable condition for testing.

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5. CONDITIONING OF THE SAMPLE

The sample was conditioned in a ventilated oven at 60 ± 7,5 °C for 20 h and cooled to ambient temperature in a desiccator before the test.

6. NATURE AND METHOD OF TEST

The tests to establish the combustibility of the sample of material were carried out in accordance with the requirements of SANS 10177 - 5:2012 Non-Combustibility at 750°C of building materials".

7. EQUIPMENT INFORMATION

7.1	Tube furnace	: Verified
7.2	Digital thermometer	: Calibrated AVC-180702-00023
7.3	Thermocouples	: Calibrated AVC-180702-00023
7.4	Scale	: Calibrated 2018/B051
7.5	Stopwatch	: Calibrated 94318
7.6	Conditioning oven	: Calibrated 730763(temp) 103855(%RH)
7.7	Measuring tape	: Calibrated 17-4585

8. RESULTS

Nature of test	Result				Requirement
Non-Combustibility	Specimen 1	44 seconds			If observed to flame continuously for 10s or more classify as combustible.
	Specimen 2	46 seconds			
	Specimen 3	47 seconds			
	Furnace temperature	Initial (°C)	highest (°C)	Temperature rise (°C)	If furnace temperature rises more than 50 °C from initial temperature classify as combustible
	Specimen 1	747,8	793,0	45,2	
	Specimen 2	754,3	797,9	43,6	
	Specimen 3	753,4	798,6	45,2	

The sample was found to be combustible (B).

A van der Walt
TEST OFFICER: FIRE PROTECTION ENGINEERING

J Maswikaneng
MANAGER: CIVIL LABORATORIES

< END OF REPORT >

This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested.
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