

## TEST REPORT

FLEXDUCT TRADING CC  
**Attention: Mr R Doyce**  
Postnet suite #463  
Private Bag X 153  
Bryanston  
2021

Your ref: Payment  
Enquiries: ASW van Rensburg  
Tel no: (012) 428 6097  
Report no: 2538/85826/A/FPE14  
Page 1 of 2  
Date 29 October 2014

### FIRE INDEX TEST ON FINISHING MATERIAL SANS 10177-3: 2005

#### NOTES:

- SABS's Conditions of Test are on overleaf of page 1.
- Terminology between quotation marks is as given by the sponsor
- All dimensions given under section 1 of this report are nominal
- It is recommended that the user obtains confirmation from the South African Bureau of Standards that the contents of this report are valid in respect of a given lot of material
- Staff will not be available for any legal proceedings/expert witnessing unless it is arranged prior to the contracting of this project

#### 1 DESCRIPTION OF SAMPLE

The sample consisted of Foil ducting ducting material and was submitted to the Fire Protection Engineering laboratory of SABS.

Identification : Three Layer Aluflex ducting material  
Dimension : 2400 mm x 350 mm

#### 2 DATE

- 2.1 Date sample received: 19 September 2014  
2.2 Date sample tested : 27 - 28 October 2014

#### 3 NATURE AND METHOD OF TEST

The test to establish the surface fire index of the sample was carried out in our tunnel furnace following the procedure described in SANS 10177: Part III: 2005  
*"Surface fire index of finishing material"*

The outer layer was exposed to the heat of the furnace.

1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria, 0001.  
Tel +27 12 428 7911. Fax +27 12 344 1568

SABS Commercial SOC Ltd conducted a conformity assessment pertaining to a sample of the product, commodity or system identified and the outcome recorded in this test report only relates to that specified sample. The conformity assessment outcomes recorded in the test report do not imply SABS Approval of the quality and/or performance of the sample(s) in question and the test results do not apply to any similar sample that has not been tested. (Refer also to the conditions of test printed on the back of this page.) This report may not be reproduced except in full. The authenticity of this report and its contents can be confirmed by contacting the person who signed it.

**4 EQUIPMENT INFORMATION**

- 4.1 Tunnel Furnace - verified
- 4.2 Data recorder - verified
- 4.3 Stop watch – calibrated

**5 RESULTS**

The following results were calculated from the data obtained during the tests:

Spread of flame index : 0.0  
Heat contribution index : 0.0  
Smoke emission index : 0.0  
Surface fire index : 0.0  
Class : 1



J Maswikaneng  
**MANAGER: CIVIL LABORATORIES**



ASW van Rensburg  
**TEST OFFICER: FIRE PROTECTION ENGINEERING**

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#### 1 DESCRIPTION OF SAMPLE

The sample consisted of Foil ducting ducting material and was submitted to the Fire Protection Engineering laboratory of SABS.

Identification : Five Layer Aluflex ducting material

Dimension : 2400 mm x 350 mm

#### 2 DATE

2.1 Date sample received: 19 September 2014

2.2 Date sample tested : 27 - 28 October 2014

#### 3 NATURE AND METHOD OF TEST

The test to establish the surface fire index of the sample was carried out in our tunnel furnace following the procedure described in SANS 10177: Part III: 2005  
*"Surface fire index of finishing material"*

The outer layer was exposed to the heat of the furnace.

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**4 EQUIPMENT INFORMATION**

- 4.1 Tunnel Furnace - verified
- 4.2 Data recorder - verified
- 4.3 Stop watch – calibrated

**5 RESULTS**

The following results were calculated from the data obtained during the tests:

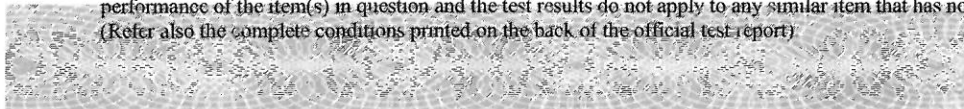
- Spread of flame index : 0.0
- Heat contribution index : 0.0
- Smoke emission index : 0.0
- Surface fire index : 0.0
- Class : 1



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#### 1 DESCRIPTION OF SAMPLE

The sample consisted of Foil ducting ducting material and was submitted to the Fire Protection Engineering laboratory of SABS.

Identification : Foil layer on outside and inside with white insulation material between the layers marked three Layer Aluflex insulated.

Dimension : 2400 mm x 350 mm

#### 2 DATE

2.1 Date sample received: 19 September 2014

2.2 Date sample tested : 27 - 28 October 2014

#### 3 NATURE AND METHOD OF TEST

The test to establish the surface fire index of the sample was carried out in our tunnel furnace following the procedure described in SANS 10177: Part III: 2005  
*"Surface fire index of finishing material"*

The flame side was marked by the sponsor.

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**4 EQUIPMENT INFORMATION**

- 4.1 Tunnel Furnace - verified
- 4.2 Data recorder - verified
- 4.3 Stop watch – calibrated

**5 RESULTS**

The following results were calculated from the data obtained during the tests:

Spread of flame index : 0.46

Heat contribution index : 0.02

Smoke emission index : 0.71

Surface fire index : 0.40

Class : 2



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