

# TFI Report 481455-03

## Fire behaviour

for the classification according to DIN 4102-1:1998

### Customer

AIR - LIVING - PUBLIC rohi stoffe GmbH  
Postfach 747  
82532 Geretsried  
GERMANY

### Product

textile fabrics  
MICA

This report includes 3 pages and 1 annex(es).

### Responsible at TFI

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**Aachen, 18 September 2018**



**Dr. Alexander Siebel**  
head of the testing laboratory

The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.

## 1 Transaction

Test order	Fire behaviour of building materials and building components according to DIN 4102-1:1998
Order date	21 August 2018
Your reference	Kornelia Martin
Product designation	MICA, article number 01956.XX, charge VA836004
TFI sample number	18-08-0219
Date of manufacture	not specified
Date of sample receipt	23 August 2018
Sampling performed by	Customer

## 2 Product Specification

Type of manufacture	woven (flat jacquard fabric*)
Type of surface	woven structure
Pattern	multicoloured, patterned
Colour	red, orange, dark grey
Material	95 % virgin wool, 5 % polyamide*
Total mass per unit area [g/m²]	600*
	*customer information

## 3 Results

### Ignitability of products subjected to direct impingement of flame according to Din 4102-1:1998

Ignition	no
Flame tip	≤ 150 mm
Burning droplets	no
Burning time	n.r.
Adhesion on substrate	-none-
Substrate	-none-

The test results relate to the behaviour of the test specimens of a construction product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the construction product in use.

In respect of its fire behaviour, the tested building material is classified into the building product class **B 2**.

This test report is valid until 18 September 2023.



#### 4 Annexes

Ignitability <sup>a</sup>

KB 481455-03

The annexes marked <sup>a</sup> are based on tests accredited in accordance with EN ISO/IEC 17025.

# Annex KB - Ignitability

## 1 Transaction

Product designation	MICA
TFI sample number	18-08-0219
Testing period	12 September 2018

## 2 Test Method / Requirements

DIN 4102-1:1998	Ignitability of products subjected to direct impingement of flame
Substrate	-none-
Type of fixation	freely suspended
Water soaking procedure (BS 5852 Annex E)	No
Conditioning	Conditioning to constant mass at a temperature of $(23 \pm 2)^{\circ}\text{C}$ and a relative humidity of $(50 \pm 5)\%$
Type of ignition	Surface ignition / edge ignition
Ignition time [s]	15
Deviation from the standard	<ul style="list-style-type: none"> <li>6 instead of 5 samples</li> </ul>

## 3 Results

Parameter	Specimen no.					
	1	2	3	4	5	6
Type of ignition	Surface ignition					
Orientation to the direction of production	in production direction	in production direction	in production direction	cross production direction	cross production direction	cross production direction
Ignition of the specimen	no	no	no	no	no	no
Flame tip (moment [s])	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)
Maximum flame height [mm] (moment [s])	n.r.	n.r.	n.r.	n.r.	n.r.	n.r.
Burning droplets	no	no	no	no	no	no
Ignition of the filter paper	no	no	no	no	no	no

Observations: -none-

Parameter	Specimen no.					
	1	2	3	4	5	6
Type of ignition	Edge ignition					
Orientation to the direction of production	in production direction	in production direction	in production direction	cross production direction	cross production direction	cross production direction
Ignition of the specimen	no	no	no	no	no	no
Flame tip (moment [s])	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)	< 150 mm (n.r.)
Maximum flame height [mm] (moment [s])	n.r.	n.r.	n.r.	n.r.	n.r.	n.r.
Burning droplets	no	no	no	no	no	no
Ignition of the filter paper	no	no	no	no	no	no

Observations: -none-