

## TEST REPORT

### 1 - Identification

**Client:** Tentations bvba

**Address:** Molenstraat 124  
9032 Gent  
Belgium

**Request:** Fire Reaction Classification According French Standards

**Material:** Two side coated fabric with reference Triflexx

**Request Reference:** Email

**Request Date:** 2016-09-14

**Reception Date:** 2016-09-15

**Test Date:** 2016-09-26

**Report N.:** 31/LFF/16Ai

### 2 - Scope

The tests reported concern the determination of the fire reaction class for a two side coated fabric with reference **Triflexx**, to be used on tents for events.

### 3 - Methodology

The tests were performed as indicated in the NF P 92-503 (electric burner) issued on December 1995. The classification method was applied according to the standard NF P 92-507 issued on February 2004.

### 4 - Specimens

The specimens were prepared in this laboratory from a sample supplied by the client and had the following dimensions:

Specimen	Length (mm)	Width (mm)	Thickness (mm)	Mass (g)
31/LFF/16Ai/01	600	182	0.7	60.4
31/LFF/16Ai/02	599	181	0.7	59.9
31/LFF/16Ai/03	601	182	0.7	60.2
31/LFF/16Ai/04	602	184	0.7	60.7
31/LFF/16Ai/05	604	181	0.7	60.5
31/LFF/16Ai/06	603	181	0.7	60.6
31/LFF/16Ai/07	603	182	0.7	59.5

Before being tested the specimens were conditioned for a period of 261 hours at  $23 \pm 2$  °C and  $50 \pm 5$  % relative humidity.

## 5 - Results and classification

Exploratory tests were performed on both faces of the material and it was found that the face 1 had worst fire reaction performance.

The tests performed on the electric burner with face 1 facing the burner and longitudinal direction, produced the following results:

Specimen	31/LFF/16Ai/02			31/LFF/16Ai/05			31/LFF/16Ai/06			31/LFF/16Ai/07		
Time of igniter actuation	B	E	D	B	E	D	B	E	D	B	E	D
20 " - 25 "	20	197	172	20	195	170	20	242	217	20	218	193
45 " - 50 "	---	---	---	---	---	---	---	---	---	---	---	---
1' 15 " - 1' 20 "	---	---	---	---	---	---	---	---	---	---	---	---
1' 45 " - 1' 50 "	---	---	---	---	---	---	---	---	---	---	---	---
2' 15 " - 2' 20 "	---	---	---	---	---	---	---	---	---	---	---	---
2' 45 " - 2' 50"	---	---	---	---	---	---	---	---	---	---	---	---
3' 15 " - 3' 20 "	---	---	---	---	---	---	---	---	---	---	---	---
3' 45 " - 3' 50 "	---	---	---	---	---	---	---	---	---	---	---	---
4' 15" - 4' 20 "	---	---	---	---	---	---	---	---	---	---	---	---
4' 45 " - 4' 50 "	---	---	---	---	---	---	---	---	---	---	---	---
Length burnt (mm)	338			333			305			318		
Width burnt (mm)	164			169			177			170		
Time of max. inflammation (s)	172			170			217			193		
Average length burnt (mm)							324					
Average width burnt (mm)							170					

B – Beginning of inflammation; E – End of inflammation; D – Duration of inflammation;

In view of whole results the material must be classified as **M2**.



## 6 - Complementary observations

During the accomplishment of the tests it was observed abundant release of gray smoke.

Porto, September 27, 2016

**Responsible for testing**



João Alcino Rodrigues

**Technical Director of the Laboratory**



João Alcino Rodrigues