

**MOQUETTES DE PRATICABLES DE
GYMNASTIQUE ARTISTIQUE & RYTHMIQUE**6380 - 6390
6655 - 6656
6657

Page 1 / 3

**CENTRE FOR TEXTILE SCIENCE AND ENGINEERING**

DEPARTMENT OF MATERIALS, TEXTILES AND CHEMICAL ENGINEERING

Technologiepark 70A, B-9052 Gent
T +32 9 264 57 35 - F +32 9 264 58 46
www.textiles.ugent.be - textiles@ugent.beMr. Patrick Van Moorsel
Tapibel NV
Industrielaan 4
3900 OVERPELT**Contact**
Didier Van Daele**e-mail**
FloorAndFire@ugent.be**date**
17/05/2021**TEST REPORT 21-0342-02****Samples received**

Name	Date of receipt
Gymtex (Gymtex 3/ Gymtex JF) Pile material : 100% PA6 Surface structure : cut pile Primary backing : woven fabric Secondary backing : textile backing Total mass : 1500 g/m ² Total thickness : 7 mm Surface pile thickness : 5 mm	23/04/2021

Aim of the test

Determination of the fire behaviour

Test conditions**Fire Behaviour**

Standard:

EN ISO 9239-1 (2010)*

Method:

Before the test the samples are **not cleaned**.

A floorcovering is **glued** (with solventfree glue) to a fibre cement board (according to EN 13238). During the test, the specimen is irradiated by a gas radiator at an angle of 30°. A small flame is used to ignite the specimen. The specimen is ignited during 10 minutes. In case of inflammable specimens, the test lasts until the flame is extinguished, but 30 minutes at the most. The criterion is the burned length, from which the critical radiant flux is deduced using a calibration curve.

The test EN 11925-2 has not been performed because the floorcovering fulfills the requirements of EN 14041 section 4.1.4 table 2. The floorcovering has a total mass of 1500 g/m², a pile thickness of 5 mm and a pile composition of 100% PA6, as declared by the customer.

Number of tests: 4

Conditioning

23 ± 2 °C and 50 ± 5 % R.H.

samples:

The tests were finished in week 19/2021.

The test results only apply to materials that correspond to the tested sample. Forgery will be legally prosecuted, just like partial reproduction without prior written permission. Tests that are marked *are accredited. Advices and interpretations are not covered by the accreditation.

**MOQUETTES DE PRATICABLES DE
GYMNASTIQUE ARTISTIQUE & RYTHMIQUE**6380 - 6390
6655 - 6656
6657

Page 2 / 3

OBTAINED RESULTS**Fire behaviour**

Specimen	Width	Length	Length	Length	Average of specimens In Length
Flame spread after 10 min (mm)	220	310	270	300	
Flame spread after 20 min (mm)	380	380	350	360	
Flame spread after 30 min (mm)	380	390	350	360	
Flame spread at extinction (mm)	380	390	350	360	
Flame time	21min 11s	23min 22s	18min 02s	19min 34s	
Critical heat flux CHF at extinction (kW/m ²)	5.8	5.6	6.4	6.2	6.0
Total smoke production at end of test (%.min)	27	83	39	45	56

Note: heat flux values are rounded to the nearest 0.2 (kW/m²) as prescribed in ISO 9239-1

Didier Van Daele
Head of Floor covering and Fire Tests

ENCLOSURE TO REPORT 21-0342-02

Classification according to EN 13501 -1

Warning: this statement cannot be used for CE labelling purposes

Classification	EN ISO 11925-2 (ignition time = 15 s)	EN ISO 9239-1 (test period = 30 min)	CLASS
B _{fl}	Fs " 150 mm in 20 s	Critical flux \geq 8.0 kW/m ²	
C _{fl}	Fs " 150 mm in 20 s	Critical flux \geq 4.5 kW/m ²	X
D _{fl}	Fs " 150 mm in 20 s	Critical flux \geq 3.0 kW/m ²	
E _{fl}	Fs " 150 mm in 20 s	No demand	
F _{fl}	No demand	No demand	

Additional classification smoke development according to EN 13501-1

		CLASS
Smoke development < 750%.min	s1	X
Smoke development > 750%.min	s2	

Centre for Textile Science and Engineering
 Technologiepark 70A, B-9052 Zwijnaarde

p. 3/3
 21-0342-02
textiles@UGent.be

**Classes admissibles au regard des catégories M
 mentionnées dans les règlements de sécurité contre l'incendie**

SOLS

EUROCLASSES SELON NF EN 13 501-1		EXIGENCES
A1 _{fl}	-	Incombustible
A2 _{fl}	s1	M0
A2 _{fl}	s2	M3
B _{fl}	s1	
C _{fl}	s2	
D _{fl}	s1 (1)	M4
	s2	

(1) Le niveau de performance s1 dispense de fournir les informations prévues par l'arrêté du 4 novembre 1975 modifié portant réglementation de l'utilisation de certains matériaux et produits dans les établissements recevant du public et l'instruction du 1^{er} décembre 1976 s'y rapportant.