

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

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## TEST REPORT

**Client :** IVC Group  
Nijverheidslaan 29  
8580 Avelgem Belgium  
Belgium

**Test Number :** 17-006437  
**Issue Date :** 5/12/2017  
**Print Date :** 12/12/2017

**Sample Description** Clients Ref : "5.00mm loose lay"  
Vinyl flooring  
End Use : Flooring  
Nominal Composition : Heterogenous PVC floorcovering LVT  
Nominal Mass per Unit Area/Density : 8400g/m2  
Nominal Thickness : 5mm

### AS/ISO 9239.1-2003

### Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source

Date of Sample Arrival 14/11/2017

Date Tested 04/12/2017

CHF Value	1	2	3	Mean
Length	6.5	6.7	7.3	6.8 kW/m <sup>2</sup>
Width	7.5	-	-	- kW/m <sup>2</sup>
Smoke Value	1	2	3	Mean
Length	157	88	162	136 %min
Width	157	-	-	- %min

Blistering Yes

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

Sample was conditioned in accordance with BSEN 13238:2001 at a temperature of 23±2°C and relative humidity of 50±5% for a minimum of 48 hours prior to testing.

Each specimen was clamped to a substrate of 6mm thick fibre reinforced cement board prior to testing.

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Accredited for compliance with ISO/IEC 17025

- Chemical Testing  
- Mechanical Testing  
- Performance & Approvals Testing

: Accreditation No. 983  
: Accreditation No. 985  
: Accreditation No. 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.



APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc. (Hons)  
MANAGING DIRECTOR



REACTION TO FIRE CLASSIFICATION REPORT  
N° 2016/070-2  
(English version of classification report N°2016/070-1)  
According to EN 13501-1 (2007) + A1 (2013)

Notification by the French Government to the European Commission  
under n° NB 2401  
Regulation (UE) n° 305/2011

Sponsor : IVC bvba  
Nijverheidslaan 29  
8580 AVELGEM  
BELGIUM

Product group : MATRIX LOOSELAY

Description : Resilient floor covering (EN ISO 10582 family)  
(see detailed description in paragraph 2)

Date of issue : 26/09/2016

*The indicated classification does not prejudice the conformity of marketed materials with the samples submitted to the tests and under no circumstances, this document should not be considered as type approval or certification of the product in the sense of the L 115-27 article of the consumption's code of the law dated June 3<sup>rd</sup> 1994.*

*The reproduction of this classification report is only authorised in its integral form.  
It comprise 3 pages*

## 1. Introduction

This classification report defines the classification assigned to the above-mentioned product (s) in accordance with the procedures given in the NF EN 13501-1 standard: September 2007 & A1 (2013).

## 2. Details of classified product

### 2.1. Product standard

NF EN 14041 (2005):“Resilient, textile and laminate floor coverings - Essential characteristics “.

### 2.2. Product description

Heterogeneous polyvinyl chloride floor covering in LVT size (EN ISO 10582 family).

Tested loose laid over a wood panel particle board without flame retarded classified C<sub>fl</sub>-s1, with a density (680 ± 50) kg/m<sup>3</sup> and thickness (20 ± 2) mm.

Use surface: 100 % PVC

Nominal mass per unit area : 8400 g/m<sup>2</sup>

Nominal total thickness : 5,00 mm

Nominal wear layer thickness : 0,70 mm

## 3. Test reports and tests results in support of this classification

### 3.1. Tests reports

Name of laboratory	Name of sponsor	Test report N°	Test method
C.R.E.T.	IVC bvba Nijverheidslaan 29 8580 AVELGEM BELGIUM	RL 2016/512-1	NF EN ISO 9239-1
		RL 2016/512 -2	NF EN ISO 11925-2

### 3.2. Tests results

Test method	Product	Number of tests	Results	
			Parameters	Compliance parameters
NF EN ISO 11925-2	MATRIX LOOSELAY	6	F <sub>s</sub> ≤ 150 mm	Compliant
Surface exposure-15 secondes			Ignition of the filter paper	Compliant

**Classification : E<sub>fl</sub>**

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters : mean value
NF EN ISO 9239-1	MATRIX LOOSELAY	3	Critical heat flux (kW/m <sup>2</sup> )	8,7
			Smoke (% X min)	380,3

**4. Classification and field of application**4.1. Reference of classification

This classification has been carried out in accordance with EN 13501-1 :2007 & A1 (2013).

4.2. Classification

Fire behaviour		Smoke production
B <sub>fl</sub>	-	s1

**Classification : B<sub>fl</sub> – s1**

4.3. Field of application

This classification is valid for the following end use applications :

Loose laid and glued over a wood panel particle board without flame retarded classified C<sub>fl</sub>-s1 with a density  $\geq 510 \text{ kg/m}^3$  and over a fibre-cement A2<sub>fl</sub> or A1<sub>fl</sub> class with a density  $\geq 1350 \text{ kg/m}^3$ .

This classification is valid for the following product parameters :

- A nominal mass per unit area of: 8400 g/m<sup>2</sup>
- A nominal thickness of : 5,00 mm
- A nominal wear layer thickness of : 0,70 mm

**5. Limitations**

This classification document does not represent type approval or certification of the product.

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.”

Head of Tests  
David VANDIERDONCK



For the SARL C.R.E.T.  
The Technical Director  
Marc WELCOMME



*End of the classification report*