



SATRA Technology Centre Ltd
Wyndham Way, Telford Way, Kettering,
Northamptonshire, NN16 8SD United Kingdom
Tel: +44 (0) 1536 410000
email: info@satra.com
www.satra.com



TECHNICAL REPORT

The Amtico Company Ltd Kingfield Road Coventry West Midlands CV6 5AA United Kingdom	SATRA reference:	FLO2016096	
		2447	3
	Report ID/Issue number:	46509/1	
	Your reference:		
	Date samples received:	19/11/2024	
	Date(s) work carried out:	19/11/2024 to 27/11/2024	
	Date of report:	27/11/2024	

Testing Requirements

Classification of one product, described by the customer as
"Amtico Access" against EN 13501-1:2018 (L/CS).

For SATRA's full terms and conditions see our website: <https://new.satra.com/satra-terms-and-conditions/>

For SATRA's statements regarding the confidentiality, publication and dissemination of this report, decision rules and UKAS accreditation please see the final page of this technical report.

Report Signed by:

Philip Weal


Report Signatory

CLASSIFICATION OF ONE PRODUCT, DESCRIBED BY THE CUSTOMER AS “AMTICO ACCESS” AGAINST EN 13501-1:2018 (L/CS).

As requested by The Amtico Company Ltd, SATRA have assessed the floor covering submitted to determine its fire classification in accordance with the procedures given in EN 13501-1:2018, as detailed below.

CONCLUSION

With regard to the properties assessed, the product “Amtico Access” demonstrates compliance with the requirements for reaction to fire classification: **B_{fl} - s1** in accordance with EN 13501-1:2018 based on testing conducted in accordance with EN ISO 9239-1:2010 and EN ISO 11925-2:2020. See below report for details of relevant fields of application.

DETAILS OF CLASSIFIED PRODUCT:

The product, “Amtico Access”, is defined as resilient flooring, and is described in full overleaf. Appearance:



Date received:	01 November 2024
Date conditioning commenced:	01 November 2024
Testing conducted:	25 and 27 November 2024
Testing conducted by:	Imogen Sheppard

TESTS CARRIED OUT

- EN ISO 9239-1:2010. Reaction to fire tests for floorings. Part 1: Determination of the burning behaviour using a radiant heat source. (L/CS) ⁽²⁾
- EN ISO 11925-2:2020. Reaction to fire tests – Ignitability of products subject to direct impingement of flame. Part 2 – Single-flame source test. (L/CS) ⁽²⁾

Notes:

- (1) Information supplied by the customer. Not verified by SATRA.
- (2) Results have been assessed against EN 13501-1:2018 Clause 12.

FULL DESCRIPTION OF TEST SPECIMENS ⁽¹⁾

The description of the specimen given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

General description of flooring system			Loose lay LVT
Product reference of flooring system			Amtico Access
Colour reference			SX5Axxxx, SX5Sxxxx, SX5Wxxxx
Name of Manufacturer			Note 3
Overall weight per unit area			7.8 kg/m²
Overall Thickness			5.0mm
Product Configuration			
Floor covering	Layer 1 (PU Coating)	Product Reference	UV Coating
		Generic Type	Urethane
		Name of Manufacturer	Note 3
		Application Rate	Note 3
		Application method	Note 3
		Specific gravity	Note 3
		Colour reference	Not Applicable
		Flame Retardant Details	Not Applicable
	Layer 2 (Wear Layer)	Product Reference	No specific reference
		Generic Type	Plasticised PVC
		Name of Manufacturer	Note 3
		% Composition	Note 3
		Weight per unit area	0.6kg/m²
		Thickness	0.55mm
		Trade name of flame retardant	Not Applicable
		Generic form of flame retardant	Not Applicable
	Layer 3 (Printed film)	Amount of flame retardant	Not Applicable
		Product Reference	Various
		Generic Type	Plasticised PVC
		Name of Manufacturer	Note 3
		% Composition	Note 3
		Weight per unit area	0.098kg/m²
		Thickness	0.075mm
		Flame Retardant details	Does not contain flame retardant
Generic form of flame retardant	Does not contain flame retardant		
Amount of flame retardant	Does not contain flame retardant		

Floor covering	Core	Product Reference	No specific reference
		Generic Type	Mineral filled plasticised PVC
		Name of Manufacturer	Note 3
		Thickness	3.375mm
		Weight per unit area	6.902 kg/m ²
		Flame Retardant details	Does not contain flame retardant
		Generic form of flame retardant	Does not contain flame retardant
		Amount of flame retardant	Does not contain flame retardant
	Backing Material (Calendared Layer)	Product Reference	No specific reference
		Generic Type	Mineral filled plasticised PVC
		Name of Manufacturer	Note 3
		Thickness	1mm
		Weight per unit area	1.2kg/m ²
		Flame Retardant details	Does not contain flame retardant
		Generic form of flame retardant	Does not contain flame retardant
Amount of flame retardant		Does not contain flame retardant	
Brief Description of the manufacturing process		Note 3	

LABORATORY SUPPLIED SUBSTRATE:

Adhesive	Product Reference	N/A
	Generic Type	N/A
	Name of Manufacturer	N/A
	Density (20°C)	N/A
	Colour	N/A
Substrate	Product reference	'Wickes P5 Chipboard Flooring'
	Generic type	Particleboard (not fire retardant treated)
	Name of supplier	Wickes
	Thickness	(20 ± 2) mm
	Density	(680 ± 50) kg/m ³

Note 1: The sponsor of the test has failed to provide the information

Note 2: The sponsor has provided the required information but at the request of the sponsor it has been omitted from the final report.

Note 3: The sponsor was unwilling to provide the required information.

EVIDENCE IN SUPPORT OF CLASSIFICATION

Test reports and extended application reports relating to this classification.

Testing Laboratory	Name of Sponsor	Test report / extended application report reference	Test method / extended application rules.
SATRA Technology Centre Ltd	The Amtico Company Ltd	FLO2016096 2447 1	EN ISO 9239-1:2010
SATRA Technology Centre Ltd	The Amtico Company Ltd	FLO2016096 2447 2	EN ISO 11925-2:2020

Test results relating to the test reports above.

Test method	Parameter	No. of tests	Results	Compliance with B_{fl}-s1 parameters
EN ISO 9239-1 ^a	Critical flux ^b (kW/m ²)	3	(<i>m'</i>) ^d : 9.6	Compliant
	Smoke production ^c (%.min)		mean: 281.55	Compliant
EN ISO 11925-2 ^e	F _s (mm)	6	Max : 36	Compliant

^a Test duration = 30 minutes.

^b Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame)

^c **s1** = Smoke production ≤ 750 %.min; **s2** = not s1.

^d The reported mean for a continuous parameter lies within the limits of the envisaged class, and is therefore reported as *m'*.

^e Under conditions of surface flame attack with 15s exposure time.

CLASSIFICATION

The product, "Amtico Access" in relation to its reaction to fire behaviour is classified: **B_{fl}**

The additional classification in relation to smoke production is: **s1**.

The format of the reaction to fire classification for floorings is:

Fire behaviour		Smoke production
A1fl to Ffl (as applicable)	-	s 1 or 2 (as applicable)

Reaction to fire classification: **B_{fl} - s1**

FIELD OF APPLICATION

As the product was tested loose laid (L) over the standard combustible substrate (CS) as specified in EN 13238:2010, this classification is valid for the following end use applications, providing the end use substrate density is at least 75% of the nominal value of the density of the standard substrate :

- Flooring applications utilizing end use substrates of wood and of classes A1 and A2-s1,d0 are represented by testing over a not fire retardant treated particleboard (combustible substrate).
- Installed with or without adhesive

The reaction to fire classification may be valid for products within the same family, where family is defined as a range of products within defined limits of variability of its parameters, e.g. thickness, density, end use application, for which the reaction to fire classification is proven to be unchanged, or for which the field of application is extended in an extended application report.

LIMITATIONS

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

RELATIONSHIP BETWEEN CLASSES AND REFERENCE FIRE SITUATIONS

For information only, as discussed in Annex A of EN 13501-1:2018 the relationship between classes and reference fire situations for floorings is as follows:

Class F _{fl} :	Products which cannot be classified in one of the classes A1 _{fl} , A2 _{fl} , B _{fl} , C _{fl} , D _{fl} , E _{fl} .
Class E _{fl} :	Products capable of resisting a small flame.
Class D _{fl} :	Products satisfying E _{fl} and in addition capable of resisting, for a certain period, a heat flux attack.
Class C _{fl} :	As class D _{fl} but satisfying more stringent requirements.
Class B _{fl} :	As class C _{fl} but satisfying more stringent requirements.
Class A2 _{fl} :	Satisfying the same requirements as class B _{fl} relating to heat flux. In addition under the conditions of a fully developed fire these products will not significantly contribute to the fire load and fire growth.
Class A1 _{fl} :	Class A1 _{fl} products will not contribute in any stage of the fire, including the fully developed fire. For that reason they are assumed to be capable of satisfying automatically all requirements of all lower classes.

Conditions of Use

Confidentiality and Dissemination

SATRA test reports may be forwarded to other parties if they are not changed in any way and are not marked as confidential. Test reports must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Liability

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Accreditation

Where the UKAS logo is included on the test report then tests marked \neq fall outside the UKAS Accreditation Schedule for SATRA. Where no UKAS logo is included on the test report then none of the tests reported are covered by SATRA's UKAS Accreditation.

Tests marked \neq are performed under SATRA's Flexible UKAS Schedule.

Opinions and interpretations fall outside the UKAS Accreditation for SATRA.

Uncertainty of Measurement and Decision Rules

Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor $k=2$, which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

SATRA's guidelines provide recommendations that are based upon SATRA's knowledge and experience. The guidelines are intended to indicate conformance by providing information on the likely performance or characteristics of a property. As such, uncertainty of measurement is not applied when evaluating results against guideline recommendations.
