

## ***Classification report for roofs/roof coverings exposed to external fire Nr 15729C***

### **Owner of the classification report**

OFITECH sas  
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### **Introduction**

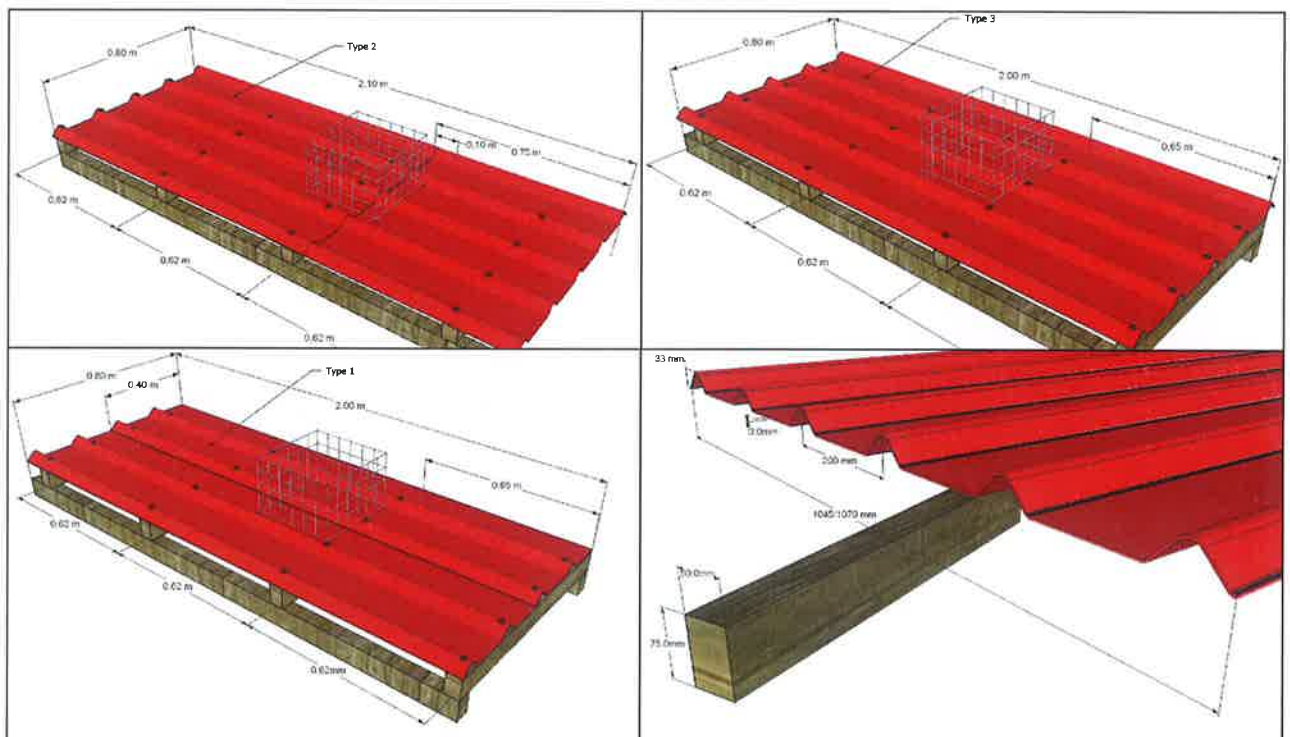
This classification report defines the classification assigned to the roof covering « **ONDULINE ANDROMEDA** » in accordance with the procedures given in the standard EN 13501 – 5 : 2005 + A1 : 2009 : Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roof tests: Test 1: Method with burning brands.

**This classification report consists of 5 pages**

## 1. DESCRIPTION OF THE ROOF / ROOF COVERING

		Nominal value / Measured value
<b>SUPPORTING DECK</b>		
Material	Specific support with timber pine beams (Douglas) of 50 mm wide and 75 mm high, placed at a distance of 0,62m between each other (see drawing)	
<b>ROOF COVERING</b>		
Material	Corrugated bituminous membrane with cellulose fibres (red)	
Reinforcement	(1)	
Trade name	ONDULINE ANDROMEDA	
Manufacturer / Supplier	ONDULINE AVRASYA	
Thickness (mm)	3,2	
Surface weight (g/m <sup>2</sup> )	3270	
Flame retardants	Yes	
Fixing method	Mechanical	

(1) Not communicated



## 2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

### a) Test reports

Name of the laboratory	Name of the sponsor	Test report ref. no.	Test method
WFRGENT N.V. Ghent, Belgium	OFITECH sas	15729A	ENV 1187/A1: 2005: Test 1 and CEN/TS 1187: 2012: Test 1
WFRGENT N.V. Ghent, Belgium	OFITECH sas	15729B	ENV 1187/A1: 2005: Test 1 and CEN/TS 1187: 2012: Test 1

### b) Test results: 15729A

Test conditions:

- Test pitch: 15°
- Supporting deck: Specific support with timber pine beams (Douglas) of 50 mm wide and 75 mm high, placed at a distance of 0,62m between each other

Parameter	Criteria	Test Results on specimen				Compliance
		1	2	3	4	
Internal fire spread upwards	< 0,700 m	-	-	-	-	Yes
External fire spread upwards	< 0,700 m	0,000	0,000	0,020	0,000	Yes
Internal fire spread downwards	< 0,600 m	-	-	-	-	Yes
External fire spread downwards	< 0,600 m	0,040	0,040	0,020	0,030	Yes
Maximum burned length internal	< 0,800 m	-	-	-	-	Yes
Maximum burned length external	< 0,800 m	0,040	0,040	0,040	0,030	Yes
Burning, droplets/debris falling from exposed side	None	None	None	None	None	Yes
Burning, glowing particles penetrating the roof	None	None	None	None	None	Yes
Single through opening	< 25mm <sup>2</sup>	0	0	0	0	Yes
Sum of all through openings	<4500mm <sup>2</sup>	0	0	0	0	Yes
Lateral fire spread	<edges*	<edges	<edges	<edges	<edges	Yes
Internal glowing combustion	None	None	None	None	None	Yes
Radius of fire spread (horizontal roof)	<0,200 m	(-)	(-)	(-)	(-)	(-)

\* edges of the measuring zone (-) Not applicable

c) Test results: 15729B

Test conditions:

- Test pitch: 45°
- Supporting deck: Specific support with timber pine beams (Douglas) of 50 mm wide and 75 mm high, placed at a distance of 0,62m between each other

Parameter	Criteria	Test Results on specimen				Compliance
		1	2	3	4	
Internal fire spread upwards	< 0,700 m	-	-	-	-	Yes
External fire spread upwards	< 0,700 m	0,300	0,250	0,120	0,200	Yes
Internal fire spread downwards	< 0,600 m	-	-	-	-	Yes
External fire spread downwards	< 0,600 m	0,020	0,040	0,030	0,020	Yes
Maximum burned length internal	< 0,800 m	-	-	-	-	Yes
Maximum burned length external	< 0,800 m	0,320	0,290	0,150	0,220	Yes
Burning, droplets/debris falling from exposed side	None	None	None	None	None	Yes
Burning, glowing particles penetrating the roof	None	None	None	None	None	Yes
Single through opening	< 25mm <sup>2</sup>	0	0	0	0	Yes
Sum of all through openings	<4500mm <sup>2</sup>	0	0	0	0	Yes
Lateral fire spread	<edges*	<edges	<edges	<edges	<edges	Yes
Internal glowing combustion	None	None	None	None	None	Yes
Radius of fire spread (horizontal roof)	<0,200 m	(-)	(-)	(-)	(-)	(-)

\* edges of the measuring zone (-) Not applicable

### 3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference

This classification has been carried out in accordance with clause 9 test 1 of EN 13501 – 5:2005 + A1:2009 and the EN 534:2010.

b) Classification

The roof / roof covering « **ONDULINE ANDROMEDA** » in relation to its external fire performance is classified:

## BROOF (t1)

c) Field of application

This classification is valid for the following conditions:



- Range of pitches: All pitches
- Range of decks: Specific support with timber pine beams (Douglas) of 50 mm wide and 75 mm high, placed at a distance of 0,62m between each other

#### 4. LIMITATIONS

At the time the standard EN 13501 – 5:2005 + A1:2009 was published, no decision was made concerning the duration of validity of a classification document.

#### 5. WARNING

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 a system 3 attestation of conformity and CE marking under the Construction Products Directive. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Report	Name	Signature (*)	Date
Prepared by	P. SIERENS		25 APR. 2013
Reviewed by	ir. K. CATRY		25 APR. 2013
(*) For and on behalf of "WFRGENT N.V."			

EN 13501-5 Broof(t1) WG 5E\*

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