

Classification report for roofs/roof coverings exposed to external fire No. 21240B

Owner of the classification report

MARIS POLYMERS SMSA
Industrial area of Inofita
GR32011 Inofita
GREECE

Introduction

This classification report defines the classification assigned to the roof covering «**Mariseal 250**» in accordance with the procedures given in the standard EN 13501-5:2016: Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests: Test 2: Method with burning brands and wind.

This classification report consists of 4 pages

1. DESCRIPTION OF THE ROOF / ROOF COVERING

	Nominal value (1)	Measured value (2)
SUPPORTING DECK		
Material	Calcium silicate board	
Thickness (mm)	11	
Density(kg/m ³)	870	
ROOF COVERING		
<u>First layer</u>		
Material	Liquid applied waterproofing membrane, on the basis of polyurethane.	
Trade name	Mariseal 250	
Manufacturer / Supplier	Maris Polymers SMSA	
Thickness (mm)	0,25	(3)
Surface weight (g/m ²)	500	(3)
Flame retardants	No	(3)
Application method	Roller applied	
<u>Top layer</u>		
Material	Liquid applied waterproofing membrane, on the basis of polyurethane. This second layer is liquid applied onto the first one (that had been dried for 1 day).	
Trade name	Mariseal 250	
Manufacturer / Supplier	Maris Polymers SMSA	
Colour	White	
Thickness (mm)	0,25	(3)
Surface weight (g/m ²)	500	(3)
Flame retardants	No	(3)
Fixing method	Roller applied	

- (1) Based on the information given by the sponsor
(2) Values verified by the laboratory
(3) Unverifiable by the laboratory

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	MARIS POLYMERS SMSA	21240A	CEN/TS 1187: 2012 Test 2

b) Test results

Test conditions: 21240A

- Test pitch: 30°

- Substrate: Fibre reinforced calcium silicate board (8 mm ; 870 kg/m³)

Parameter		Criteria		Test results					Compliance
		Mean	Max.	Spe. 1	Spe. 2	Spe. 3	Mean	Max.	
2 m/s	Damaged length roof covering (m)	≤ 0,550	≤ 0,800	0,280	0,340	0,400	0,340	0,400	Yes
	Damaged length substrate (m)	≤ 0,550	≤ 0,800	0,280	0,340	0,400	0,340	0,400	Yes
4 m/s	Damaged length roof covering (m)	≤ 0,550	≤ 0,800	0,350	0,420	0,340	0,370	0,420	Yes
	Damaged length substrate (m)	≤ 0,550	≤ 0,800	0,350	0,420	0,340	0,370	0,420	Yes

3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference

This classification has been carried out in accordance with clause 9 test 2 of EN 13501–5:2016 and EAD 030350-00-0402:2018.

b) Classification

The roof / roof covering «**Mariseal 250**» in relation to its external fire performance is classified:

B_{ROOF} (t2)

c) Field of application

This classification is valid for the following conditions:

- Range of pitches: Valid for all pitches.
- Range of substrates:

For non-combustible substrates having a density greater than or equal to 652,5 kg/m³

4. RESTRICTIONS

At the time the standard EN 13501-5:2016 was published, no decision was made concerning the duration of validity of a classification report.

Provisions of Regulation (EU) 305/2011, commonly known as the Construction Products Regulation (CPR), prevail over any conflicting provisions in the harmonised standards and technical specifications.

5. WARNING

This classification report does not represent type approval nor certification of the product.

6. CONCERNING DECLARATION OF PERFORMANCE (DOP) ACCORDING TO THE CONSTRUCTION PRODUCT REGULATION (CPR)

According to EAD 030350-00-0402:2018 (§3.1) the applicable legal acts for liquid applied roof waterproofing kits are Decision 98/599/EC and amended by Commission Decision 2001/596/EC. The system of Assessment and Verification of Constancy of Performance (AVCP) for a Declaration of Performance (DoP) under the Construction Products Regulation (CPR: EU 305/2011) is System 3.

The classification assigned to the product in this report is appropriate to such a Declaration of Performance of the essential characteristics of the construction product by the manufacturer within the context of a System 3 Assessment and Verification of Constancy of Performance. Under the Construction Products Regulation a Declaration of Performance (DoP) is a requirement for affixing the CE marking.

PREPARED BY

APPROVED BY