Classification report for roof coverings exposed to external fire

PF 5000 SBS AD FR / PF 3500 S/F / plywood board

Order number: 0084-L-13/4 Ref.: KVZ/GZ

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Date of order	:	2012.12.12
Date of report	:	2013.03.19
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Initials	:	

BDA KEURINGSINSTITUUT BDA KEUR GORINCHEM

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1 Introduction

By order of Atab N.V., BDA Keuringsinstituut B.V. (NL-4202 MS/35) has drawn a classification report with reference to a fire test on modified bitumen roof waterproofing sheets according to ENV 1187:2000, Test 2. This concerns the classification of two-layer system with a **PF 5000 SBS AD FR** and a **PF 3500 S/F** roof waterproofing sheet in combination with Plywood board in accordance with the procedures given in EN 13501-5:2005 – Fire classification of construction products and building elements, Part 5 – Classification using data from external fire exposure to roofs tests.

2 Description of the roof

The products used are fully described in the test report in support of this classification listed in table 1.

3 Test report and test results in support of this classification

Table 1

Name of laboratory	Name of sponsor	Number test report	Test method
BDA Keuringsinstituut B.V.	Atab N.V.	0084-L-13/3 dated 2013.03.19	ENV 1187:2002, test 2

4 Results

Test conditions

- Test pitch : 30°
- Substrate : Plywood with a density of 705 kg.m^{-3}, thickness 17,5 mm

Table 2 – Substrate Plywood

Parameter	Criteria [m]		Test results [mm]					Compliance
	Mean	Max	TS 1	TS 2	TS 3	Mean	Max	
Damaged length at 2 m.s^{-1} – roof covering	≤ 0,550	≤ 0,800	210	215	230	218	230	yes
Damaged length at 2 m.s^{-1} – substrate (insulation)	≤ 0,550	≤ 0,800	0	0	0	0	0	yes
Damaged length at 4 m.s^{-1} – roof covering	≤ 0,550	≤ 0,800	195	210	200	202	210	yes
Damaged length at 4 m.s^{-1} – substrate (insulation)	≤ 0,550	≤ 0,800	0	0	0	0	0	yes

5 Classification and field of application

Reference

This classification has been carried out in accordance with EN 13501-5:2005.

Classification

The roof covering a **PF 5000 SBS AD FR** with **PF 3500 S/F** in combination with Plywood with a density of 705 kg.m^{-3}, thickness 17,5 mm in relation to its external fire performance is classified: **B_{ROOF} (t2)**.

Field of application

This classification is valid for the following conditions:

- all pitches;
- only for a substrate with composition identical to that used in the test, having a density greater than or equal to 0,75 times the density used in the test.

6 Limitations

This document is not valid as type approval or as certificate of the product.

Gorinchem, 2013.03.19

The laboratory

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TESTING
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