

**Classification report for roof coverings
exposed to external fire**

PF 5000 SBS AD FR /

PF 3500 S/F / mineral wool

Order number: 0084-L-13/2 Ref.: KVZ/GZ

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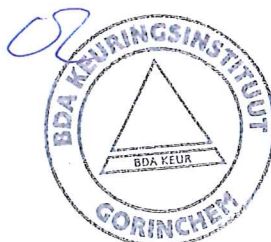
Date of order : 2012.12.12

Date of report : 2013.03.19

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Initials : 



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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 MW 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-13/1 dated 2013.03.19	ENV 1187:2002, test 2



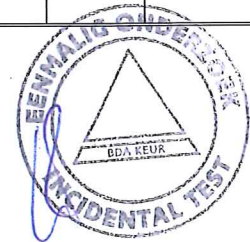
4 Results

Test conditions

- Test pitch : 30°
- Substrate : MW, with a density of 115 kg.m⁻³, thickness 50 mm

Table 2 – Substrate MW

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	185	190	200	192	200	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	180	195	210	195	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 MW, with a density of 115 kg.m^{-3} , thickness 50 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


K. van Zee
manager



BDA Keuringsinstituut B.V.


C.W. van der Meijden BSc
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Member

