

## ***Classification report for roofs/roof coverings exposed to external fire Nr 12757B***

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

INDEX SPA  
Via G. Rossini 22  
I-37060 Castel d'Azzano, VERONA  
ITALY

### **Introduction**

This classification report defines the classification assigned to the roof covering "**Firestop P**" in accordance with the procedures given in the standard EN 13501-5: 2005/AC: 2006: 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

	Communicated by the sponsor
<b>SUBSTRATE</b>	
Standard substrate	Yes
Material	expanded polystyreen (EPS) according to § 6.4.3.3a) of the standard
Thickness (mm)	50
Density (kg/m <sup>3</sup> )	21,5
Flame retardants	Yes
Fixing method	Loosely laid
<b>SEPARATING LAYER</b>	
Material	Glass fibre tissue
Surface weight (g/m <sup>2</sup> )	50
Flame retardants	No
Fixing method	Loosely laid
<b>ROOF COVERING</b>	
<u>1.1 Top layer</u>	
Material	Bituminous layer
Trade name	Firestop P
Manufacturer / Supplier	Index spa
Armature (nature and g/m <sup>2</sup> )	Polyester, 160g/m <sup>2</sup>
Thickness (mm)	4
Surface weight (g/m <sup>2</sup> )	4500
Flame retardants	Yes
Fixing method	Loosely laid

## 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	INDEX SPA	12757A	ENV 1187/A1: 2005: Test 2

b) Test results

Test conditions:

- Test pitch: 30°
- Substrate: expanded polystyreen (EPS)

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 m	≤ 0,800 m	0,460	0,465	0,530	0,485	0,530	Yes
	Damaged length substrate (m)	≤ 0,550 m	≤ 0,800 m	0,460	0,455	0,520	0,478	0,520	Yes
				Spe. 4	Spe. 5	Spe. 6	Mean	Max.	
4 m/s	Damaged length roof covering (m)	≤ 0,550 m	≤ 0,800 m	0,445	0,530	0,470	0,481	0,530	Yes
	Damaged length substrate (m)	≤ 0,550 m	≤ 0,800 m	0,440	0,510	0,460	0,470	0,510	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: 2005/AC: 2006 and EN 13707/A1: 2007.

b) Classification

The roof covering '**Firestop P**' 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: Valid for combustible and non-combustible substrates with a density greater than or equal to 16 kg/m<sup>3</sup>

#### 4. LIMITATIONS

At the time the standard EN 13501-5: 2005/AC: 2006 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 and in accordance with the product standard EN 13707/A1: 2007, 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	Ing. Frans DUTRIEUE		10 AUG. 2007
Reviewed by	Prof. Dr. Ir. Paul VANDEVELDE		10 AUG. 2007
*For and on behalf of "WFRGENT N.V."			

EN 13501-5 Broof(t2) WG 4E\*

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