

Classification report for roofs/roof coverings exposed to external fire No. 16075E

Owner of the classification report

Derivados Asfálticos Normalizados sa
Poligono Industrial Sector 9
19290 Fontanar (Guadalajara)
Spain

Introduction

This classification report defines the classification assigned to the roof covering « **DANOPOL HS RF** » 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 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
SUBSTRATE	
Standard substrate	Yes
Material	Mineral wool according to § 6.5.3.3 of the standard
Thickness (mm)	50
Density (kg/m ³)	150
Flame retardants	No
ROOF COVERING	
Material	PVC waterproofing membrane, with a PES scrim reinforcement
Trade name	DANOPOLE HS RF 1.2
Manufacturer / Supplier	Derivados Asfálticos Normalizados sa
Armature (nature and g/m ²)	Polyester scrim, 93 g/m ²
Thickness (mm)	1,2
Surface weight (g/m ²)	1600
Flame retardants	Yes
Fixing method	Loos laid

(1) Not verifiable

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	Derivados Asfálticos Normalizados sa	16075D	ENV 1187/A1:2005 – test method 2 and CEN/TS 1187:2012 – test method 2

b) Test results

Test conditions:

- Test pitch: 30°

- Substrate: Mineral wool according to § 6.5.3.3 of the standard

Parameter	Criteria		Test results					Compliance	
	Mean	Max.	Spe. 1	Spe. 2	Spe. 3	Mean	Max.		
2 m/s	Damaged length roof covering (m)	≤0,550m	≤0,800m	0,370	0,390	0,380	0,380	0,390	Yes
	Damaged length substrate (m)	≤0,550m	≤0,800m	0,160	0,140	0,190	0,163	0,190	Yes
4 m/s	Damaged length roof covering (m)	≤0,550m	≤0,800m	0,420	0,400	0,420	0,413	0,420	Yes
	Damaged length substrate (m)	≤0,550m	≤0,800m	0,160	0,160	0,200	0,173	0,200	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 + A1: 2009 and EN 13956: 2012.

b) Classification

The roof / roof covering « **DANOPOL HS RF** » in relation to its external fire performance is classified:

B_{ROOF} (t2)

c) Field of application

This classification for the product as described in §1b, is valid for the following end-use applications:

- Range of pitches: Valid for all pitches.
- Range of substrates: For non– combustible substrates having a density $\geq 97,5 \text{ kg/m}^3$

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

The classification assigned to the product in this report is appropriate to a Declaration of Performance (DoP) 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 (AVCP).

Under the Construction Products Regulation (CPR: EU 305/2011), such a Declaration of Performance (DoP) is a requirement for affixing the CE marking.

Report	Name	Signature (*)	Date
Prepared by	ir. K. CATRY		09 SEP. 2013
Reviewed by	dr. ir. B. SETTE		09 SEP. 2013
(*) For and on behalf of "WFRGENT nv"			

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

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