

## Network flameproof netting classification accordance with procedures given in EN 13501-1:2018

By definition, netting falls outside the Euroclass rating scheme. To provide our customers with confidence in the flameproof netting we supply, the netting has been tested to Euroclass standards to provide an equivalent classification.

Network HDPE twisted knotted flameproof-rated netting products of 19 mm square in relation to its reaction to fire behaviour is classified as B-s1, d0.

Network 50mm mesh flame retardant netting is made from the same chemical components and as the B-s1, d0 classified HDPE 19 mm mesh nets. The fire standard according to article AM 9 to 10 does not allow a rating above 28 mm square, so by analogy it can be considered to be certified as B-s1, d0 as 50 mm mesh netting contains less material per m<sup>2</sup>.

19 mm square in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s1**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

**B-s1,d0**

Field of application

This classification is valid for the product parameters described in paragraph 2.2.

Only valid in red and black colour.

Valid for a mesh size between 19 mm (distance between two knots).

According to the standard NF EN 13238: 2012, the classification is valid for the following end use applications : Valid with an air gap  $\geq$  200 mm.

### Net Details

<b>Composition</b>	High density polyethylene
<b>Thickness</b>	0,8 mm $\pm$ 10%
<b>Mass per unit area</b>	19 mm mesh between two knots: 0,070 kg/m <sup>2</sup>
<b>Colour</b>	19 mm mesh between two knots: black and red

The classification B-s1,d0 simplifies to:

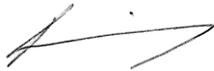
**Limited contribution to fire, quantity/speed of emission absent or weak, no dripping.**

B is the highest flame retardant classification available to a combustible material.

**Test Results – date tested 28/10/2020**

Test method and test number	Parameter	No. Tests a)	Continuous parameter - mean (m)	Compliance with parameters
NF EN 13823 : 2020 EFR-20-SBI- 002237	FIGRA 0,2 MJ (W/s) FIGRA 0,4 MJ (W/s) THR 600 s (MJ) LFS	3  Black and red mesh	0,0 0,0 0,2 -	- - - Compliant
	SMOGRA TSP 600s (m <sup>2</sup> )		0,0 2,3	- -
	Flaming droplets or particles		-	Compliant
NF EN ISO 11925- 2 : 2020 EFR-20-SF- 002237	Fs	12	-	Compliant
	Filter paper		-	Compliant
a) Not for extended application				

(-) means not applicable



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