

Exova Warringtonfire
Holmesfield Road
Warrington
WA1 2DS
United Kingdom

T : +44 (0) 1925 655 116
F : +44 (0) 1925 655 419
E : warrington@exova.com
W: www.exova.com



Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009

Notified Body No:

0833

Product Name:

"3.6mm Braided Polyethylene
Flame Retardant Netting"

Report No:

WF 342801

Issue No:

1

Prepared for:

Renco Nets
King Edward Street
Grimsby
NE Lincolnshire
DN31 3LA

Date:

13th October 2014



1. Introduction

This classification report defines the classification assigned to “3.6mm Braided Polyethylene Flame Retardant Netting”, a high density polyethylene netting product, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “3.6mm Braided Polyethylene Flame Retardant Netting”, a high density polyethylene netting product, is defined as being suitable for construction applications.

2.2 Product description

The product, “3.6mm Braided Polyethylene Flame Retardant Netting”, a high density polyethylene netting product, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description	High density polyethylene netting
Generic type	Polyethylene
Product reference	“3.6mm Braided Polyethylene Flame Retardant Netting”
Name of manufacturer	Renco Nets Limited
Colour reference	“Black”
Thickness	16x4=64 monofilaments PE (stated by sponsor) 3.23mm (determined by Exova Warringtonfire)
Weight per unit length	92kg/m ±5%
Cell dimensions	50mm
Flame retardant details	See Note 1 Below
Mounting and fixing details	The specimens were fastened to a “window” frame manufactured from 5mm steel sheet using metal wire
Air gap details	A 180mm ventilated cavity was situated between the reverse face of each specimen and the calcium silicate backing board (as specified in EN 13238: 2010)
Brief description of manufacturing process	See Note 1 Below

Note 1: The sponsor was unwilling to provide this information

3. Test report & test results in support of classification.

3.1 Test reports.

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Renco Nets	WF 342902	EN ISO 11925-2
Exova warringtonfire	Renco Nets	WF 342901	EN ISO 11925-2

Deviation from the test standard

Due to the total area of holes on the surface exceeding 30%, the specimens were folded so that the representative total area of holes did not exceed 30% of the exposed surface.

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	41.7	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	50	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	0.00	Compliant
	FIGRA _{0.4MJ}		0.00	Compliant
	THR _{600s}		0.37	Compliant
	LFS		None	Compliant
	SMOGRA		0.00	Compliant
	TSP _{600s}		21.64	Compliant



4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product, "3.6mm Braided Polyethylene Flame Retardant Netting", a high density polyethylene netting product, 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 applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. **B – s1 , d0**

Reaction to fire classification: B – s1 , d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 870kg/m^3 , having a minimum thickness of 12mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).
- ii) Product installed with a minimum airspace of 180mm.

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

5. Limitations

This document does not represent type approval or certification of the product.

SIGNED

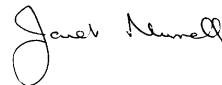


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Matthew Dale

Certification Engineer
Technical Department

APPROVED



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Janet Murrell

Technical Manager
Technical Department
on behalf of **Exova warringtonfire**

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