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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:

"Flame Retardant Anticlimb
Netting"

Report No:

343073

Issue No:

1

Prepared for:

Renco Nets Limited,
King Edward Street, Grimsby,
NE Lincolnshire, DN31 3LA

Date:

6th August 2014

1. Introduction

This classification report defines the classification assigned to “Flame Retardant Anticlimb Netting”, a polyester netting, in accordance with the procedures given in EN 13501-1:2007 +A1: 2009

2. Details of classified product

2.1 General

The product, “Flame Retardant Anticlimb Netting”, a polyester netting is defined as suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Flame Retardant Anticlimb Netting”, a polyester netting, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

| | |
|--|--|
| General description | Polyester netting |
| Generic type | Polyester |
| Product reference | “Flame Retardant Anticlimb Netting” |
| Name of manufacturer | Renco Nets Limited |
| Colour reference | “Black” |
| Thickness | 250 / 1000 Denier (1.18 mm) |
| Weight per unit area | 170 g/m ² ± 5% |
| Cell dimensions | 8 mm |
| 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 backing board |
| Brief description of manufacturing process | See Note 1 Below |

Note 1: The sponsor was unwilling to provide this information

3. Test reports & test results in support of classification

3.1 Test reports

| Name of Laboratory | Name of sponsor | Test report Nos. | Test method |
|----------------------|--------------------|------------------|----------------|
| Exova warringtonfire | Renco Nets Limited | WF 342758 | EN 13823 |
| Exova warringtonfire | Renco Nets Limited | WF 342759 | EN ISO 11925-2 |

3.2 Test results

| Test method & test number | Parameter | No. tests | Results | |
|---|--|-----------|---------------------------------|-----------------------|
| | | | Continuous parameter - mean (m) | Compliance parameters |
| EN 13823 | Figra _{0,2 MJ} (W/s) | 3 | 0 | Compliant |
| | THR _{600 s} (MJ) | | 0.48 | Compliant |
| | Smogra (m ² /s ²) | | 0 | Compliant |
| | TSP _{600 s} (m ²) | | 12.2 | Compliant |
| | LFS (y/n) | | N | Compliant |
| | Flaming droplets (y/n) <10 s (y/n) >10 s (y/n) | | N | Compliant |
| EN ISO 11925-2 30 s surface exposure | Flame spread (mm) | 6 | 40 | Compliant |
| | Flaming droplets (y/n) | | N | Compliant |
| 30 s edge exposure | Flame spread (mm) | 6 | 48 | Compliant |
| | Flaming droplets (y/n) | | N | 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, "Flame Retardant Anticlimb Netting", a polyester netting, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: B-s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall, façade and ceiling applications
- ii) Used free standing

This classification is also valid for the following product parameters:

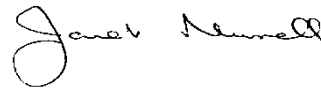
| | |
|------------------------------|---|
| Product thickness | 250 / 1000 Denier at cell dimensions 8 mm |
| Product weight per unit area | 170 g/m ² |
| Colour | Black |
| Product composition | No variation allowed |

5. Limitations

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

SIGNED

APPROVED



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Frans Paap
Certification Engineer

Janet Murrell
Technical Manager
on behalf of **Exova warringtonfire**

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