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Testing. Advising. Assuring.

Title:

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

Notified Body No:

0833

Product Name:

Polyflor 2000 PUR /
Objectflor Primus 2000
PUR/ Voyager PUR /
Omniflor Trafic.

Report No:

192848

Issue No:

1

Prepared for:

Polyflor Limited, PO Box 3,
Radcliffe New Road,
Whitefield, Manchester,
M25 7NR

Date:

28th May 2010

1. Introduction

This classification report defines the classification assigned to “Polyflor 2000 PUR / Objectflor Primus 2000 PUR/ Voyager PUR / Omniflor Trafic”, a homogenous PVC flooring, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, “Polyflor 2000 PUR / Objectflor Primus 2000 PUR/ Voyager PUR / Omniflor Trafic”, a homogenous PVC flooring is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “Polyflor 2000 PUR / Objectflor Primus 2000 PUR/ Voyager PUR / Omniflor Trafic”, a homogenous PVC flooring, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

| | | |
|--|-------------------------|---|
| General description | | Homogenous flooring, adhered to a 6mm thick fibre cement board substrate utilising 'F44' adhesive |
| Floor Covering | Product reference | Polyflor 2000 PUR / Objectflor Primus 2000 PUR/ Voyager PUR / Omniflor Trafic |
| | Generic type | Polyvinyl Chloride (PVC) |
| | Weight per unit area | 3.55 – 4.55 kg/m ² |
| | Thickness | 2.0 – 2.5 mm |
| | Colour | Any |
| | Shade | Any |
| | Flame retardant details | See Note 1 below |
| Adhesive | Product reference | “Styccobond F44” |
| | Generic type | Acrylic based adhesive |
| | Name of manufacturer | F Ball & Co. Ltd. |
| | Application rate | 200g/m ² |
| | Application method | 'V' notched trowel |
| | Flame retardant details | The manufacturer stated that no flame retardant additives were utilised in the construction of the adhesive |
| Substrate | Trade name | “NT D4 604” |
| | Generic type | Fibre cement board |
| | Thickness | 6mm |
| | Density | 1800kg/m ³ |
| Brief description of manufacturing process of the floor covering | | Calendered flooring |

Note: The precise composition of the product submitted for test is regarded by the sponsor to be of a highly confidential nature and as a consequence this information is maintained by Polyflor at their Whitefield factory. This information can be inspected by Exova warringtonfire at anytime and the information is checked, stamped, signed and dated by a member of Exova warringtonfire to prevent misuse.

3. Test reports/extended application reports & test results in support of classification.

3.1 Test reports/extended application reports.

| Name of Laboratory | Name of sponsor | Test reports/extended application report Nos. | Test method / extended application rules & date |
|-------------------------|------------------|---|---|
| BCTC | Polyflor Limited | 2600164A/09/05 | EN ISO 11925-2 |
| BCTC | Polyflor Limited | 2600164B/09/05 2600623/10/07 | EN ISO 9239-1 |
| Exova warringtonfire | Polyflor Limited | WF192854 | EN/TS 15117 |

3.2 Test results

| Test method & test number | Parameter | No. tests | Results | | |
|---------------------------|-------------------------------|-----------------------------|------------------------------------|----------------------------|-----------|
| | | | Continuous parameter - mean (m) | Compliance with parameters | |
| EN ISO 9239-1 | Critical flux | 3 | 11.8, 11.3, 11.4, 10.6, 10.6, 11.0 | Compliant | |
| | Smoke | | 165, 197, 214, 32, 40, 32 | Compliant | |
| EN ISO 11925-2 | F _s | 6 | None | Compliant | |
| | Flaming droplets/ particles | | None | Compliant | |
| | (15s exposure – surface warp) | F _s | 6 | None | Compliant |
| | | Flaming droplets/ particles | | None | Compliant |

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 9 of EN 13501-1:2007

4.2 Classification

The product, "Polyflor 2000 PUR / Objectflor Primus 2000 PUR/ Voyager PUR / Omniflor Traffic", a homogenous PVC flooring, in relation to its reaction to fire behaviour is classified:

B_{FL}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

| Fire Behaviour | | Smoke Production | |
|-----------------------|---|------------------|----------|
| B_{FL} | - | s | 1 |

i.e. **B_{FL} – s1**

Reaction to fire classification: B_{FL} – s1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Floorcovering applications bonded directly to any substrate with a minimum density of 1800kg/m³, having a minimum thickness of 6mm and a fire performance of A2_{FL} or better.
- ii) Installed directly to the substrate utilising 'F44' adhesive, applied at a nominal rate of 200g/m²

This classification is also valid for the following product parameters:

| | |
|------------------------------------|-------------------------------|
| Floorcovering thickness | 2.0 to 2.5mm |
| Floorcovering weight per unit area | 3.55 – 4.55 kg/m ² |
| Floorcovering composition | No variation allowed |
| Colour/Pattern | Any variation allowed |
| Adhesive | No variation allowed |
| Adhesive application rate | No variation allowed |
| Adhesive application method | No variation allowed |

SIGNED

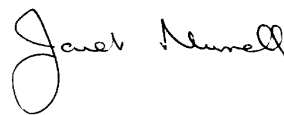


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APPROVED



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on behalf of **Exova warringtonfire**

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