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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 Names:

"Spacia First"

Report No:

304738

Issue No:

1

Prepared for:

Amtico International
Kingfield Road
Coventry
CV6 5AA

Date:

28th February 2011

1. Introduction

This classification report defines the classification assigned to "Spacia First", a polyvinyl chloride (PVC) floor tile, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product "Spacia First", a polyvinyl chloride (PVC) floor tile, is defined as being suitable for floor covering applications.

2.2 Product description

The product "Spacia First", a polyvinyl chloride (PVC) floor tile, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

| | | |
|------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------|
| General description | | A vinyl floor tile which was tested bonded to a fibre cement board substrate utilising "Amtico SF" adhesive. |
| Product reference | | "Spacia First" |
| Thickness of composite | | 8.15mm (determined by Exova Warringtonfire) |
| Weight per unit area of composite | | 15.01kg/m ² (determined by Exova Warringtonfire) |
| Floor covering | Product reference | "Spacia First – SW2004" |
| | Generic type | Vinyl (PVC) floor tile |
| | Name of manufacturer | Amtico International China |
| | Weight per unit area | 3.6kg/m ² |
| | Thickness | 2.0mm |
| | Colour | Any colour / pattern |
| | Flame retardant details | See Note 1 Below |
| Adhesive | Product reference | "Amtico SF Adhesive" |
| | Generic type | Water based acrylic adhesive |
| | Name of manufacturer | Amtico International |
| | Application rate | Between 300 and 350g/m ² |
| | Application method | A2 notched trowel |
| | Flame retardant details | See Note 1 Below |
| Substrate | Trade name | "NT D4 604" |
| | Generic type | Fibre cement board |
| | Supplier | Scheerders van de Kerkhove (SVK) |
| | Thickness | 6mm |
| | Density | 1800kg/m ³ |
| Brief description of manufacturing process of the floor covering | | Individual PVC based sheets are heat laminated then cut to produce tiles. |

Note 1: The sponsor of the test has confirmed that no flame retardants were used in the production of this component

3. Test reports & 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 | Amtico International | WF 304607 | EN ISO 11925-2 |
| Exova warringtonfire | Amtico International | WF 304608 | EN ISO 9239-1 |

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 | ≥11.2 | Compliant | |
| | Smoke | | 43.07 | Compliant | |
| EN ISO 11925-2 | 15s exposure – surface of decorative face | 6 | F _s | 56.7 | Compliant |
| | | | Flaming droplets/ particles | None | Compliant |
| | 15s exposure – edge of decorative face | 6 | F _s | 45 | 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+A1:2009.

4.2 Classification

The product "Spacia First", a polyvinyl chloride (PVC) floor tile, 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) Flooring applications, used over any substrate with a density equal to or greater than 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2_{FL} or better.

This classification is also valid for the following product parameters:

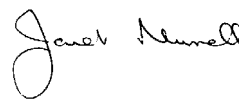
| | |
|------------------------------------|-----------------------|
| Floorcovering thickness | No variation allowed |
| Floorcovering weight per unit area | No variation allowed |
| Colour/Pattern | Any variation allowed |
| Floorcovering composition | No variation allowed |
| Floorcovering construction | No variation allowed |
| Floorcovering installation | No variation allowed |

SIGNED



.....
Matthew Dale
Certification Engineer

APPROVED



.....
Janet Murrell
Technical Manager
For and on behalf of:
Exova Warringtonfire

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