

classification report



Title:

CLASSIFICATION REPORT
FOR ROOFS/ROOF
COVERINGS EXPOSED TO
EXTERNAL FIRE
EN 13501-5: 2005

Notified Body No:

0833

Product Names:

Via Torch 007 - 5 Kg Mineral

Report No:

182782

Issue No:

1

Prepared for:

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Date:

24th April 2009

1. Introduction

This classification report defines the classification assigned to 'Via Torch 007 - 5 Kg Mineral', a built up roofing system, in accordance with the procedures given in EN 13501-5:2005

2. Details of classified product

2.1 General

The product, 'Via Torch 007 - 5 Kg Mineral', a built up roofing system is defined as being suitable for roof covering applications.

2.2 Product description

The product, 'Via Torch 007 - 5 Kg Mineral', is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

| | | |
|--------------------------------|--------------------------------|---|
| Trade name / product reference | | "Via Torch 007 - 5 Kg Mineral" |
| General description | | A built up roof system |
| Overall thickness | | 68mm (determined by Bodycote warringtonfire) |
| Product configuration | | Bituminous cap sheet, polyester reinforced membrane bonded to thermal insulation layer, which is bonded to an 18mm wooden deck. |
| Cap Sheet (Test Face) | Trade name / product reference | "Via Torch 007 - 5 Kg Mineral" |
| | Generic type | Bituminous torch on membrane |
| | Full Composition Details | Applied modified bitumen |
| | Name of manufacturer | VETROASFALTO s.p.a. |
| | Weight per unit area | 5Kg/m ² |
| | Thickness | 4mm |
| | Colour | Grey mineral |
| | Flame retardant details | Aluminium hydroxide |
| Underlay | Trade name / product reference | "Via Torch 4mm" |
| | Generic type | Bituminous torch on membrane |
| | Full Composition Details | Applied modified bitumen |
| | Name of manufacturer | VETROASFALTO s.p.a. |
| | Weight per unit area | See Note 1 |
| | Thickness | 4 mm |
| | Colour | Black |
| | Flame retardant details | Aluminium hydroxide |
| Insulation | Trade name / product reference | "Peralit Board V" |
| | Generic type | Thermal mineral insulation, Perlite. |
| | Name of manufacturer | Perlite Italiana |
| | Density / weight per unit area | See Note 1 |
| | Thickness | 30mm |
| | Flame retardant details | See Note 2 |
| Bonding details | Trade name / product reference | Torch applied |

| | | |
|--|--------------------------------|-------------------------|
| Deck (Reverse Face) | Trade name / product reference | "Wood deck IGNIPAS" |
| | Generic type | See Note 1 |
| | Name of manufacturer | Villa Defendente S.A.S. |
| | Density / weight per unit area | See Note 1 |
| | Thickness | 18 mm |
| | Flame retardant details | See Note 2 |
| Brief description of manufacturing process | | See Note 1 |

Note 1: The sponsor was unable to provide this information.

Note 2: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

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 |
|-------------------------|---------------------|---|---|
| Bodycote warringtonfire | Vetroasfalto s.p.a. | WF 181455 | ENV 1187 |

3.2 Test results

3.2.1 Test 4

Test conditions:

Test pitch: 0 degrees

Substrate/Deck: 18mm Wood deck

Supporting structure: N/A

Preliminary test (Stage 1):

| Parameter | Criteria | Test Results | Compliance |
|-----------------------|---------------------------------------|--------------|---------------------------------------|
| | Class B_{ROOF} (t4) | Specimen 1 | Class B_{ROOF} (t4) |
| Burn time | <5min | N/A | Y |
| Flame spread distance | <0,38m | Nil | Y |
| Penetration | None | None | Y |

Penetration test (Stage 2):

| Parameter | Criteria | Test Results | | | | Compliance |
|------------------|---------------------------------------|--------------|------------|------------|-------------------|---------------------------------------|
| | Class B_{ROOF} (t4) | Specimen 1 | Specimen 2 | Specimen 3 | Mean ^a | Class B_{ROOF} (t4) |
| Penetration time | ≥60min | 60 | 60 | 60 | 60 | Y |

^a If one or two of the specimens have not failed at one hour, a time of 60min shall be used in calculating the mean time of penetration.

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-5:2005

4.2 Classification

The product, 'Via Torch 007 - 5 Kg Mineral' a built up roofing system, in relation to its external fire performance is classified:

B_{ROOF} (t4)

4.3 Field of application

This classification is valid for the following conditions:

| | |
|-----------------------|----------------------|
| Range of pitches | 0 – 10 degrees |
| Substrate/Deck | 18mm wood deck |
| Supporting structure | N/A |
| Product composition | No variation allowed |
| Product configuration | No variation allowed |
| Product thickness | No variation allowed |

Product application method No variation allowed

5. Limitations

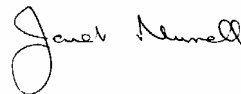
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SIGNED



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APPROVED



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Bodycote warringtonfire

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