

## Short Form Classification Report No. 21070J

### PRODUCT

Hyraflex Hot Melt Inverted Roof System

### SPONSOR

Axter Limited

### PRODUCT DETAILS

| Gravel ballast with an optional polyethylene netting and optional propylene pegs. | Axter Water flow reducing layer (WFRL)                                                                                                        | Hytherm EPS or Hytherm HP EPS                                       | Hyraflex Hot melt                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| 20 – 40 mm gravel size                                                            | A spun bonded polyethylene geotextile water flow reducing layer with 300 mm overlaps, sealed with Hytherm tape (sealing of laps is optional). | Expanded polystyrene (EPS) insulation board (single or multi layer) | A bituminous hot melt waterproofing system, consisting of 4 layers. |
| 50 mm up to any thickness                                                         |                                                                                                                                               | 50 mm up to any thickness                                           | ± 7,0 mm                                                            |
| 80000 g/m <sup>2</sup>                                                            |                                                                                                                                               | 30 -40 kg/m <sup>3</sup>                                            | 7690 g/m <sup>2</sup>                                               |
| Loose laid                                                                        |                                                                                                                                               | Loose laid                                                          | Fully bonded. Hot roll-and-pour                                     |

### FIELD OF APPLICATION

- Range of pitches: ≤ 10°
- Range of substrates: Oriented Strand Board Type 3 (OSB3) (not FR Grade) (18 mm or more ; 600 kg/m<sup>3</sup>)
- See annex A for the full extended field of application

### CLASSIFICATION

Broof (T4)

### STANDARDS

Test standard: CEN/TS 1187:2012

Classification standard: EN 13501-5:2016

SIGNED

APPROVED

*For and on behalf of WFRGENT nv*

This short form classification report has been drafted according to EGOLF agreement EGA 08rev2:2013 "Application note: clause 5.10 [5.10/1] – Types of test reports used in fire testing". Whilst the test data and classification provided within this short form report was obtained in a test conducted fully in accordance with the standards CEN/TS 1187:2012, EN13501-5:2016, the presentation of the results in this short form report may not satisfy the requirements of those standards and EN ISO/IEC 17025:2005/AC:2006. The presentation of the results in this manner is made by agreement with the sponsor and use of the information herein for product assessment, approval or certification purposes will be restricted.

The full classification report No. **21070D** is available at Axter Limited.

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## Annex A: Extended field of application

- Range of layer 0: Gravel ballast with an optional polyethylene netting and optional propylene pegs. The netting and pegs are as tested and described in §1.2 of report 21070D

|                 |                           |
|-----------------|---------------------------|
| Size:           | 20 – 40 mm                |
| Thickness:      | 50 mm up to any thickness |
| Surface weight: | 80000 g/m <sup>2</sup>    |
| Fixing method:  | Loose laid                |

- Range of layer 1: Axter Water flow reducing layer (WFRL)

|                  |                                                                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Type of product: | A spun bonded polyethylene geotextile water flow reducing layer with 300 mm overlaps, sealed with Hytherm tape (sealing of laps is optional). |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

- Range of layer 2: EPS insulation: Hytherm EPS or Hytherm HP EPS

|                                    |                           |
|------------------------------------|---------------------------|
| Thickness (single or multi layer): | 50 mm up to any thickness |
| Density of the foam:               | 30 - 40 kg/m <sup>3</sup> |
| Reaction to fire classification:   | E or better               |
| Fixing method:                     | Loose laid                |

- Range of layer 3: waterproofing system: Hyraflex Hot melt

|                       |                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Type of product:      | A bituminous hot melt waterproofing system, consisting of 4 layers. The primer (VERNIS SEAL), can be changed with VERNIS SA or VERNIS ANTAC. |
| Total thickness:      | ± 7,0 mm                                                                                                                                     |
| Total surface weight: | 7680 g/m <sup>2</sup>                                                                                                                        |
| Reinforcement:        | Top layer: Stabilised polyester 180 g/m <sup>2</sup> or less<br>- Reinforcement layer: 150 g/m <sup>2</sup>                                  |
| Mineral finish        | - Top layer: Sand 300 g/m <sup>2</sup> facing<br>- Top layer: Sand 300 g/m <sup>2</sup> backing                                              |
| Fixing method:        | Fully bonded. Hot roll-and-pour                                                                                                              |

- Range of layer 4 (supporting deck): Oriented Strand Board Type 3 (OSB3) (not FR Grade)

|            |                       |
|------------|-----------------------|
| Thickness: | 18 mm or more         |
| Density:   | 600 kg/m <sup>3</sup> |