

Short Form Classification Report No. 21070N

PRODUCT

Force Dalle 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	Force Dalle
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)	SBS Elastomeric bitumen with a polyester reinforcement
50 mm up to any thickness		50 mm up to any thickness	± 4,0 mm
80000 g/m ²		30 -40 kg/m ³	5250 g/m ²
Loose laid		Loose laid	Torched + hot air

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/m³)
- 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 ²
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).
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- 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 ³
Reaction to fire classification:	E or better
Fixing method:	Loose laid

- Range of layer 3: waterproofing system: Force Dalle

Type of product:	SBS Elastomeric bitumen with a polyester reinforcement. The primer (VERNIS SEAL), can be changed with VERNIS SA or VERNIS ANTAC.
Total thickness:	± 4,0 mm
Total surface weight:	5250 g/m ²
Reinforcement:	Polyester 180 g/m ² or less
Mineral finish	N/A
Fixing method:	Torched + hot-air

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

Thickness:	18 mm or more
Density:	600 kg/m ³