

Short Form Classification Report No. 21538D

PRODUCT

Hyranger Multi Layer Warm Roof System

SPONSOR

Axter Limited

PRODUCT DETAILS

Hyranger 40 PY FP / Hyranger 40 Flame Free / Hyranger 40 FR	bituminous underlayer		Hytherm ADH/BF	Vap Alu ADH
	Stickflex / Stickflex sanded	Hyranger Spot ADH		
Polyester reinforced SBS membrane	Glass fibre reinforced SBS membrane	Polyester reinforced SBS membrane	PIR board with glass tissue	SBS vapour barrier with composite reinforcement
3,5 mm	2,0 mm	2,69 mm	From 50 mm up to any thickness	2,2 mm
5075 g/m ²	3075 g/m ²	3160 g/m ²	30 kg/m ³	3175 g/m ²
Polyester 180 g/m ²	Glass fiber 50 g/m ²	Polyester 120 g/m ²	Coated glass tissue and bitumenised glass tissue with polypropylene fleece	Composite aluminium and glass fibre 120 g/m ²
Torched + heat activated	Self-adhesive		PU adhered	Self-adhesive

FIELD OF APPLICATION

- Range of pitches: $\leq 10^\circ$
- Substrate: OSB (18 mm or more ; 600 kg/m³)
- Full extended field of application: see annex A

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. **21538C** is available at **Axter Limited**.

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Annex A: extended field of application

- Range of layer 0: bituminous top layer: Hyranger 40 PY FP / Hyranger 40 Flame Free/ Hyranger 40 FR

Thickness:	3,5 mm
Surface weight:	5075 g/m ²
Reinforcement:	Polyester 180 g/m ²
Fixing method:	Torched + heat activated

- Range of layer 1: bituminous under layer: Stickflex / Stickflex Sanded

Thickness:	2,0 mm
Surface weight:	3075 g/m ²
Mineral finish	
<i>Sand</i>	Known by laboratory
<i>No mineral finish</i>	N/A
Reinforcement:	Glass fiber 50 g/m ²
Fixing method:	Self-adhesive

OR

- Range of layer 1: bituminous under layer: Hyranger Spot ADH

Thickness:	2,69 mm
Surface weight:	Known by the laboratory
Mineral finish	Macroperforated film and sand 100 g/m ²
Reinforcement:	Polyester 120 g/m ²
Fixing method:	Self-adhesive

- Range of layer 2: Coated glass tissue and bitumenised glass tissue with polypropylene fleece faced PIR insulation

Thickness (single & double layer):	50 mm or more
Mineral finish	Coated glass tissue and bitumenised glass tissue with polypropylene fleece (weight not provided)
Density of the foam:	30 kg/m ³
Reaction to fire according to EN13501-1	E or better
Fixing method:	PU adhered

- Range of layer 3: Hyrastik EVO (PU adhesive)

Weight percentage (w%)	100
Surface weight applied:	30-60 m ² / 6 L
Flame retardant	No
Application method	In beads 20 to 30 mm wide

- Range of layer 4: bituminous vapour barrier (Hyranger Spot ADH, Roll 25 Alpa Alu, Force line 2VV, Force line 3VV, Hyranger 25/25 TS, Stickflex Sanded, Stickflex, Force SA and Force Line 2S, SK Vap)

Reaction to fire according to EN13501-1	NPD
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- Range of layer 5: Cold bituminous primer, as tested and described in §1.2

- Range of layer 6: Supporting deck

Range of supporting decks:	OSB (18 mm or more, 600 kg/m ³)
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