



## CEN/TS 1187:2012 (test 4) Test report

### Reaction to fire tests. Test methods for external fire exposure to roofs - test 4.

Date 28/05/2026  
Sponsor Ryno Ltd  
Report No 2207  
Issue A

#### Disclaimer:

- The testing method was performed in accordance with the customer's specifications.
- This report is only valid in its entirety and no part may be used independently.
- Details for the parts being examined were provided by the customer.
- Results are only valid for the specific parts examined and for the date of examination.
- The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.
- The accreditation symbol is only valid for the specific testing methods under accreditation.
- UKAS is not responsible for the results contained in this report.

Issue	Date	Notes
A	28/05/2026	First issue

The test was performed by System Laboratories UK Ltd.  
Unit 13, Apex Park, Leighton Road, Leighton Buzzard, LU7 3RE, UK



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<b>Purpose</b>	Test methods for external fire exposure to roofs
<b>Examination standard</b>	CEN/TS 1187:2012
<b>Examination procedure</b>	System Laboratories UK procedure 260
<b>Sponsor</b>	Ryno Ltd
<b>Sponsor address</b>	Castlepoint, Castle Way, Ellon, AB41 9RG
<b>Manufacturer</b>	Ryno Ltd
<b>Manufacturer's address</b>	Castlepoint, Castle Way, Ellon, AB41 9RG
<b>Project name</b>	Non-combustible Fixed Head Adjustable Pedestal System and porcelain paving
<b>Testing location</b>	Unit 13, Apex Park, Frasierfields Way, Leighton Buzzard, LU7 3RE, UK
<b>Order number</b>	2207
<b>Project number</b>	126
<b>Testing date</b>	12/05/2026
<b>Report date</b>	28/05/2026
<b>Testing equipment</b>	Radiant Panel [75 - 78], Flame Height Measurer [83], Calibration Table [80], 0° Tub [106], Specimen Holder [82], Height Measurer [79], Lab Jack [84], [Raspberry Pi 5 [85], Thermohygrometer [73]
<b>Sample description</b>	See page 3
<b>Examination results</b>	See page 4
<b>Deviations from testing standard</b>	N/A

**Written by**

Austin Melton

Testing Technician


**Approved by**

Asaf Gitarts

Technical Director



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Sample description		
Product name	Non-combustible Fixed Head Adjustable Pedestal System and porcelain paving	
Construction form	As shown in sample description	
Mass p. unit area	55	kg/m <sup>2</sup>
Density of core	2370	kg/m <sup>3</sup>
Thickness	200	mm
Product ID	N/A	
Sample ID	N/A	
Sample description	Ryno Porcelain paving, installed on RP-FR Non-combustible fixed head adjustable pedestals. The pedestals feature a TPE head spacer gasket, and a 3mm BRSP base rubber shockpad (used primarily for sound absorption and membrane protection) is placed under the pedestal base, on top of the insulation. The system was built on, but not fixed to, a mock roof build up featuring a Euroclass E fire rated XPS insulation and a waterproofed plywood deck.	

Testing description	
Arrival date	01/03/2026
Conditioning	To BS EN 13238:2010 to constant mass
Sampling date	N/A
Sampling procedure	N/A
Flame retardant	No flame retardant added
Colour	Various
Pitch	0°
Joints	No joints
Substrate	RP-FR Non-combustible fixed head adjustable pedestals. The pedestals feature a TPE head spacer gasket, and a 3mm BRSP base rubber shockpad (used primarily for sound absorption and membrane protection) is placed under the pedestal base, on top of the insulation. The system was built on, but not fixed to, a mock roof build up featuring a Euroclass E fire rated XPS insulation and a waterproofed plywood deck.
Method of fixing	Mechanical

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## Results

Stage 1			
Sample 1			
Duration of flaming (s)	Flame Spread (mm)	Penetration of the sample (Y/N)	Glowing of the underside of the sample (Y/N)
0	0	N	N

Stage 2			
Observations	Sample 2	Sample 3	Sample 4
Post Test Room Temp. (°C)	18.4°	18.6°	18.8°
Roof Pitch (°)	0°	0°	0°
Time of Penetration	-	-	-
Melting of Specimen (Y/N)	N	N	N
Molten Droplets or Debris (Y/N)	N	N	N
Time Flaming of Droplets (s)	0	0	0

-End of report-