



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

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

Date 08/06/2026
Sponsor Ryno Ltd
Report No 2244
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	08/06/2026	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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Purpose	Test methods for external fire exposure to roofs
Examination standard	CEN/TS 1187:2012
Examination procedure	System Laboratories UK procedure 260
Sponsor	Ryno Ltd
Sponsor address	Castlepoint, Castle Way, Ellon, AB41 9RG
Manufacturer	Ryno Ltd
Manufacturer's address	Castlepoint, Castle Way, Ellon, AB41 9RG
Project name	Fixed Head Adjustable Pedestal System featuring porcelain paving
Testing location	Unit 13, Apex Park, Frasierfields Way, Leighton Buzzard, LU7 3RE, UK
Order number	2244
Project number	839
Testing date	12/05/2026
Report date	08/06/2026
Testing equipment	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]
Sample description	See page 3
Examination results	See page 4
Deviations from testing standard	N/A

Written by

Austin Melton

Testing Technician


Approved by

Asaf Gitarts

Technical Director



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Sample description		
Product name	Fixed Head Adjustable Pedestal System featuring porcelain paving	
Construction form	As shown in sample description	
Mass p. unit area	55	kg/m ²
Density of core	2370	kg/m ³
Thickness	200	mm
Product ID	N/A	
Sample ID	N/A	
Sample description	<p>Ryno Porcelain paving, installed on RPF fixed head adjustable pedestals.</p> <p>A 1mm HRSP head rubber shockpad is applied to the head of the pedestals and a 3mm BRSP base rubber shockpad (both shockpads 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. Pedestals loose laid onto insulation layer.</p>	

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	<p>RPF fixed head adjustable pedestals. Pedestals loose laid onto insulation layer.</p> <p>A 1mm HRSP head rubber shockpad is applied to the head of the pedestals and a 3mm BRSP base rubber shockpad (both shockpads 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.</p>
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)	20.2	21.1	24.5
Roof Pitch (°)	0°	0°	0°
Time of Penetration	-	-	-
Melting of Specimen (Y/N)	Y	Y	Y
Molten Droplets or Debris (Y/N)	N	N	N
Time Flaming of Droplets (s)	0	0	0

-End of report-