

# TEST CERTIFICATE

## LOAD TESTING IN ACCORDANCE WITH THE CLIENT'S SPECIFICATION



On Wallbarn Limited,  
3 Hagley Court North, The Waterfront, Dudley, West Midlands, DY5 1XF

### PROOF LOAD TESTING STS LABORATORY

**TEST DESCRIPTION:** A weight tolerance test was conducted on various aluminium rails to determine the destructive load obtainable. Testing was completed using a jack to apply a vertical compressive load centre to the product, to confirm structural performance and determine load failure limit. All testing was carried out in accordance with the client's specification.

**REF NO.:** DR-5744 **DATE TESTED:** 15<sup>th</sup> May 2024  
**JOB NO.:** P10259 **CERTIFICATE DATE:** 24<sup>th</sup> May 2024  
**CERTIFICATE NO.:** IC11717 **SUPPLIER/SOURCE:** Client

**TEST DETAILS:**  
Product Tested: Aluminium Rail Item Condition: New  
Target Loads: Failure Ambient Temperature: 18°C  
Test Location: STS Laboratory Procedure or Method: Client's Specification

#### TEST RESULTS:

Test Product	Load Obtained (kN)	Maximum Displacement (mm)
15mm Rail	1.05	68.77
20mm Rail	1.06	65.87
25mm Rail	1.58	64.63
50mm Rail	4.08	44.96
75mm Rail	6.58	32.65
100mm Rail	8.10	27.86

#### ANALYSIS:

Testing was completed with each individual rail obtaining various loads before reaching failure. The 15mm rail obtained the lowest load (1.05kN) along with the highest displacement (68.77mm), with the 100mm obtaining the highest loading (8.10kN) along with the lowest recorded displacement (27.86mm). All testing was completed within the client's specification.

<b>For Specialist Technical Services (U.K) Limited</b>			The results found on this Certificate relate only to the product[s] tested as described above This Test Certificate shall <u>not</u> be reproduced except in full  QC: TC001 – Test Certificate – v4.0   Page 1 of 1
<b>Approved By:</b>	Andrew Gore		
<b>Position:</b>	Technical Director		
<b>Signature:</b>			

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