

# TEST CERTIFICATE

## LOAD TESTING IN ACCORDANCE WITH BS 1991-1-4:2005



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

### WIND UPLIFT TESTING STS LABORATORY

**TEST DESCRIPTION:** A wind uplift test was simulated in order to find the failure limits of Exadeck Porcelain Board fixed to aluminium beams via a clip system, connected to steel pedestals. The pedestals were connected to a concrete slab via 6mm concrete screws. A load was applied vertically in an upwards direction over a 1m<sup>2</sup> area to simulate wind uplift forces. The load was applied in a steady manner until failure occurred on the product. All testing was carried out in accordance with the client's specification and BS 1991-1-4:2005.

**REF NO.:** DR-5744 **DATE TESTED:** 15<sup>th</sup> May 2024  
**JOB NO.:** P10259 **CERTIFICATE DATE:** 5<sup>th</sup> June 2024  
**CERTIFICATE NO.:** IC11743 **SUPPLIER/SOURCE:** Client

**TEST DETAILS:**  
Product Tested: Exadeck Porcelain Decking Item Condition: New  
Target Loads: Failure Ambient Temperature: 18°C  
Test Location: STS Laboratory Procedure or Method: BS 1991-1-4:2005

#### TEST RESULTS:

Test Product	Vertical Load Achieved (kN/m <sup>2</sup> )	Load (Pa)	Equivalent Wind Speed (mph)
Exadeck Porcelain Decking Board Aluminium Rail with Steel Pedestal	7.46	7460	200+



#### ANALYSIS:

Testing was completed with the decking board section achieving an upwards force of 7.46kN/m<sup>2</sup>, this has the equivalent wind speed of more than 200mph. All testing was carried out in accordance with the client's specification and in reference to BS 1991-1-4:2005

<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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