

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 M-Tray® modular green roof system lay independently on a concrete slab, no fixings were used to fix down the sample. A load was applied vertically in an upwards direction over the full area of the sample to simulate wind uplift forces. The load was applied in a steady manner until failure occurred on the product, in this instance until the sample left the concrete slab. All testing was carried out in accordance with the client’s specification and BS 1991-1-4:2005.

<b>REF NO.:</b>	DR-5744	<b>DATE TESTED:</b>	15 <sup>th</sup> May 2024
<b>JOB NO.:</b>	P10259	<b>CERTIFICATE DATE:</b>	5 <sup>th</sup> June 2024
<b>CERTIFICATE NO.:</b>	IC11744	<b>SUPPLIER/SOURCE:</b>	Client

<b>TEST DETAILS:</b>			
Product Tested:	M-Tray® modular green roof system	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/m²)	Load (Pa)	Equivalent Wind Speed (mph)
M-Tray® modular green roof system	0.56	557	65+



**ANALYSIS:**  
Testing was completed with the decking board section achieving an upwards force of 0.56kN/m², this has the equivalent wind speed more than 65mph. 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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