

A photograph of a modern outdoor deck with a water feature and plants. The deck is made of grey, ribbed composite planks. In the background, there is a water feature with a concrete border, surrounded by green plants and grass. The text "Technical Specification" is overlaid in white on the water feature.

# Technical Specification

# Deckorum Decking Material Entrustment Test

Our technical specification provides an insight into the rigorous testing process to authenticate our products as strong and durable. Our excellent compliance to ISO 9001 Quality Standards provide long lasting products, qualifying our products for our customers.

Provided are the measures of each process revealing the following results.

1. Rockwell R Hardness Test. 2. Moisture Resistance. 3. Megapaschals Modulus of Rupture.

4. Young's Modulus of Elasticity. 5. Absorption of Liquid. 6. Heat Test. 7. Changes due to Heat Test.

8. After Wear and Use. 9. Temperature/ Size Change. 10. Newtons of Force.

11. Resistance to Freeze. 12. Newtons of Force.

Test Measures	Standard Requirements	Test result
Hardness	>58HRR	61 HRR
Moisture content	<2%	0.3%
Modulus of rupture	>20MPa	40Mpa
Modulus of elasticity	>1800Mpa	3818 Mpa
Thickness of swelling	<1%	0.4%
Size change degree after calefaction	+/- 2.5%	-0.10%
State after calefaction	No bubbles, breaks, cracks	Zero bubbles, break, cracks
Resistance to wear	<0.08g/100r	0.077g/100r
Size change rate of high and low temperatures	+/- 0.2%	-0.10%
Screw holding capabilities	>1000N	3120N
Resistance to freeze-thaw	Retention rate of bending load >80%	92%
Bending load	Public 2500N	3258N



Deckorum  
COMPOSITE DECKING

[www.deckorum.co.uk](http://www.deckorum.co.uk) 0203 633 4979 [hello@deckorum.co.uk](mailto:hello@deckorum.co.uk)