

# HD FENCE™

A Composite Prime Product



**intertek**  
Total Quality. Assured.

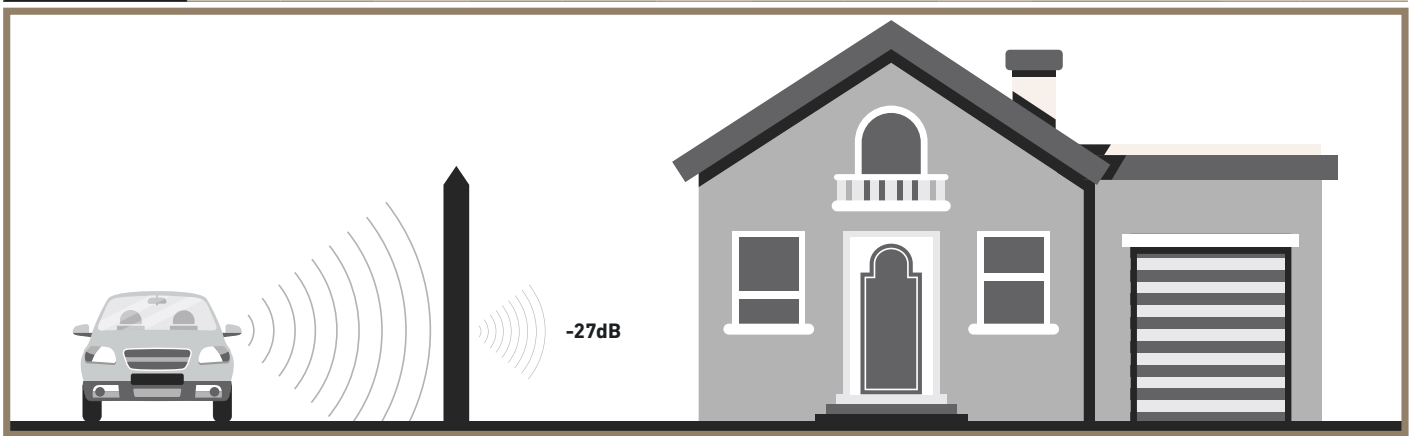
## TECHNICAL SPECIFICATION

For more information please visit our website  
[www.composite-prime.com](http://www.composite-prime.com)

 **Composite Prime**®  
NATURAL EVOLUTION

Test	Test Method	Test Description	HD FENCE	Requirements
Wind Resistance Test	In House Method	The effective area is 3.09m <sup>2</sup> (1.79m wide × 1.725m height)	<b>Maximum Load:</b> - 7120 N Linear Load - 2304 N/m <sup>2</sup> Uniform Load - In excess of 120 mph wind force - Beaufort Scale 12	Load: - 1150 N Linear Load - 372.10 N/m <sup>2</sup> Uniform Load - 55 mph wind force - Beaufort Scale 9
Acoustic Sound Reduction	ISO 10140-2:2021, EN 1793-2:2018  EN 1793-3:1997	Temperature:18 °C Volume of the source room: 112m <sup>3</sup> Specimen area: 9.85 m <sup>2</sup> Relative Humidity: 60% Volume of the receiving room: 137m <sup>3</sup>	<b>Single-number rating of airborne sound insulation DLR=27dB</b>  <b>Max 30.9dB @ 5000 hz</b>	
Deformation due to Thermal Radiation from the Sun	EN 15534-6:2015+A1:2017 Section 5 and Annex B	The height between two rails of the fence: 1725 mm The width (span) between two posts of the fence: 1790 mm Nominal width of the fencing element panel: 201.5 mm	<b>Maximum bow: 0.00% (0.00 mm)</b> <b>Maximum cupping: 0.01% (0.02 mm)</b>	Maximum bow: 17.9mm - 1% of the span (1790mm) Maximum cupping: 2.01mm - 1% of the width of the fencing element (2.01mm)

Beaufort Number	0	1	2	3	4	5	6	7	8	9	10	11	12
Description	Calm	Light Air	Light Breeze	Gentle Breeze	Moderate Breeze	Fresh Breeze	Strong Breeze	Near Gale	Gale	Severe Gale	Storm	Violent Storm	Hurricane Force
Wind Speed (mph)	< 1	1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47-54	55-63	64-72	≥ 73



These specifications represent the result of Intertek evaluation of HD Fence™ to the requirements of the standards listed above.

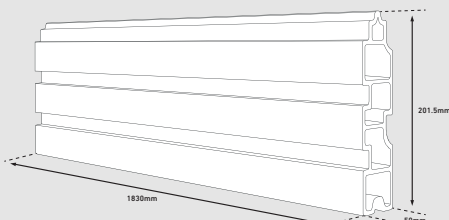
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**Board Dimensions:**  
50 x 201.5 x 1830mm  
(50 x 192.5 x 1830mm when installed)

1800 x 1800mm panel consists of:  
**9 x HD Fence™ boards**  
**1 x Aluminium bottom rail**  
**1 x Aluminium finishing top rail**  
**4 x Fixing brackets**



### COLOUR RANGE

HD Fence™ features a 2 in 1 shiplap & shadow gap design available in 3 colours: **silver, walnut & lava**

