



Triton double faced decking

WPC (Wood Plastic Composite) is a unique composition to replicate wood without the maintenance and hazards of traditional timber decking. 45% timber fibres + 55% HDPE and additives.



Triton Double-Faced Decking comes with a 10-year guarantee.

Physical Data	Requirements	Test Result
Hardness	>58HRR	61HRR
Moisture Content	<2%	0.3%
Modulus of Rupture	>20 Mpa	40Mpa
Modulus of Elasticity	>1800 Mpa	3818Mpa
Thickness of Swelling	>1%	0.4%
Size Change – Calefaction	+2.5%	-0.10%
Resistance to Wear	<0.08g/100r	0.077g/100r
Size Change H/L Temp.	+0.2%	-0.10%
Screw Holding Capability	>1000N	3120N

Standard – GB/T 24508-2009 Wood Plastic Composite Freeze Thaw Bending Load

Resistance to Freeze Thaw	>80%	92%
Bending Load	>2500N	3258N

Overall Test Results

Mean PTV or PTV corr (Dry)	86
Mean PTV or PTV corr (Wet)	42
Slip Potential (Dry)	Low
Slip Potential (Wet)	Low

Slip test report

The decking achieves an anti-slip/low-risk surface in dry and wet conditions. A copy of the full slip test report is available upon request.

PVC fixing clip

31mm (long) x 18mm (wide) x 11mm (thick)

Intermediate S/S clip

36mm (long) x 40mm (wide) x 11mm (thick)

Starter S/S clip

27mm (long) x 24mm (wide) x 10mm (thick)

Important installation instructions

- Slight colour and surface differences may occur due to slight differences in raw materials or surface treatment. The deck board colour will fade by 10% over the first 12-month period of being installed. At the end of this period, the surface colour will stabilise.
- It is advisable to place the deck boards in the required installation site for 72 hours before you start the installation for them to acclimatise. The decking should not be installed in temperatures below 5°C.
- We advise to use original accessories and parts from STORM to ensure warranty remains valid.
- There must be a space of at least 25mm between the ground and the substructure. In case of insufficient ventilation, any warranty will be invalidated. There should not be direct contact between the decking structure and the ground (grass, soil etc.).
- Variations in temperature and moisture uptake will result in expansion (about 0.3% to 0.5).
- A strong and compacted base such as concrete is recommended.
- WPC product is not suitable for closed and moist environments such as sauna rooms etc.

Installation

- Prepare the substructure.
- Ensure there is sufficient drainage below the deck area.
- Lay the subframe with a slight gradient of 1% to 1.5% away from the walls, laid lengthwise. Keep the subframe set of any surrounding walls or other obstacles to allow for slight expansion.
- Keep the substructure at maximum 400mm centres (350mm centres are recommended).
- The substructure should be fixed by expansion screws to the concrete at a distance of 30-40cm.
- To ensure each deck board has a full bearing each end (for runs lower than 5m) the subframe should overlap by a minimum of 100mm.
- If deck boards have to be joined on the length, a second section of joist should be added.