

TUFRIHT Technical Sheet

Compositions

60% Recycled Timber & Bamboo Fiber

40% HDPE bonded with Anti UV Additives, environmentally friendly bonding agents and colouring.

Moisture Absorption

Duration	25mm Solid
24 Hours	<1%
7 Days	<1%
3 Months	<1 – 3%

Thermal expansion

A full length 5400mm will expand and contract approximately 4/5 mm in a temperature between 35/40 degree.

(Please observed the recommended gaps when installing)

TUFRIHT Board Weights

ITEMS	DIMENSIONS	WEIGHT Kg/LM	BOARD LENGTH (M)	BOARD WEIGHT Kg
Decking Board	140x25	4.3	5.4	23.2
Wall Cladding	156x21	1.9	5.4	10.8
Fascia Board	100x20	2.9	5.4	16
Screening	63x19	2.6	5.4	14
Tiles	300x300	-	-	-

Slip Resistance -UPDATE 11/10/17-(Testing by Safe Environments) To AS 4586-2013

ITEMS	CLASS
TUFRIHT DECKING SANDED FINISH	P2
TUFRIHT DECKING BOARD DEEP-SANDED FINISH	P3
TUFRIHT DECKING BOARD WOOD GRAIN	P3
TUFRIHT DECKING BOARD SANDED AND WOOD GRAIN	P5 BAREFOOT

Burning Characteristics (Intertek) 2.2KW/m2 as per C1.10

PARAMETER (non FIRE RATED)	CLASS
Critical flux(transverse), kW/m2	4.4
Critical flux(longitudinal), kW/m2	3.2
Smoke production, % minutes	395
Fs, mm	Edge 27 – Surface 29

Mechanical testing (Testing by ExcelPlas) To AS/NZ 1170.1 - AS 3962-2001 – AS 2156.2- 2001.

Test	Load(kN)	Pressure(kPa)	Deflection(mm)	Failure Mode
1	3.2	5.5	0.5	No failure observed
2	6.6	11.4	1.3	No failure observed
3	8.3	14.3	1.9	No failure observed
4	10.6	18.3	2.5	No failure observed
5	13.7	23.6	3.1	No failure observed

(Australian Standard Strength Compliance: AS/NZ 1170.0, AS 2156.2, AS 3962-2001)

Concentrated Loading

Indenter area	test	Load (kN)	Deflection(mm)	Residual Deflection(mm)	Failure Mode
0.01 m2	1	1.8	2.4	0.1	No failure observed
0.01m2	2	2.7	3.2	0.1	No failure observed
0.01m2	3	3.9	4	0.2	No failure observed
0.0056 m2	1	1.8	2.3	0.2	No failure observed
0.0056 m2	2	2.7	3.1	0.3	No failure observed
0.0056 m2	3	3.9	4.2	0.3	No failure observed
350 mm2	1	1.8	2.1	0.2	No failure observed
350 mm2	2	2.7	3.2	0.3	No failure observed
350 mm2	3	3.9	3.9	0.4	No failure

(Australian Standard Strength Compliance: AS/NZ 1170.0, AS 2156.2, AS 3962-2001)

Durability

TUFRIGHT Decking has been tested for over 7000 hours in an accelerated Weatherometer Machine With a cycle of intense UV radiation and high humidity, simulating over 15 years of outdoor weathering.

Termite resistant

TUFRIGHT Decking have a high resistance to attack by termites.

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V:1.2

