

DATA SHEET
Reference:
DS-TCD-0322

Terrafina Composite Decking

Technical datasheet

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PRODUCT INFORMATION

	PLAIN	YACHT
Board length	4m, 4.5m, 5m, 5.5m, 6m	4m, 5m, 6m
Width	146mm	146mm
Height	21mm	21mm
Weight	3.8kg/lm	3.8kg/lm
Material	Wood plastic composite PVC-WF56	Wood plastic composite PVC-WF56

TECHNICAL CHARACTERISTICS

DESCRIPTION	STANDARDS	MEASURED VALUE	LIMIT
Breaking load of a deck board at 20°C*	EN 310	≥ 3900 N	≥ 3400 N
Breaking load of a deck board (averaging)	EN 310	≥ 3700 N	≥ 2720 N
Deflection with load of 500N at 20°C*	EN 310	≤ 1.7 mm	≤ 1.8 mm
Creep characteristics: Deformation with 85kg for 7 days at 50°C	EN ISO 899-3	≤ 3 mm	≤ 13 mm
Water storage: Absorption of water – 5 hours at 100°C	EN 317	≤ 5.2%	≤ 7.0%
Water storage: Length expansion – 5 hours at 100°C	EN 317	≤ 0.2%	≤ 0.3%
Water storage: Width expansion – 5 hours at 100°C	EN 317	≤ 0.2%	≤ 0.7%
Water storage: Thickness expansion – 5 hours at 100°C	EN 317	≤ 2.2%	≤ 4.0%
Slip resistance in wet and dry	EN 13839	0.67 = R12	≥ 0.43
	DIN 51097	28° = C	≥ C
Coefficient of thermal expansion lengthwise	ISO 11359-2	20.6 x 10 ⁻⁶ /k	–
	l = 4m, dT = 40K	3.3 mm	–
Design life	15 years (minimum)	–	–

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VOLATILE ORGANIC MATERIALS

DESCRIPTION	STANDARDS	MEASURED VALUE
Formaldehyde	RAL-UZ 38	0.015 ppm
Organic compounds: Boiling point 50-250°C	RAL-UZ 38	3 µg/m ³
Organic compounds: Boiling point >250°C	RAL-UZ 38	2 µg/m ³
Organic compounds: CMR substances	RAL-UZ 38	≤1 µg/m ³

OTHER PROPERTIES

DESCRIPTION	STANDARDS	MEASURED VALUE
Raw material density	EN 323	ca./approx. 1350 kg/m ³
Shape performance to heat (HDT, 1.8 N/nm ²)	EN ISO 75	78°C
Guaranteed short time load capacity	Point load	300 kg
	Area load 1	000 kg/m ²
Durability class: Laboratory	EN 113 + EN 350-01	1 = very durable
Durability class: Outdoor test - 3 years	EN 252 + EN 350-01	60/5
Durability class: Outdoor test - 5 years	EN 252 + EN 350-01	–

APPLICATION

Solid composite decking boards manufactured from a WPC compound containing in excess of 50% wood fibre. High-quality stabilizers and pigments give the product both excellent durability and longevity. Available in a range of board lengths and two finishes.


The versatile nature of the system enables it to be installed in a wide range of applications including: terraces, balconies, roof gardens, leisure areas, promenades, boardwalks, jetties, pool and pond edges both in private and public realm scenarios.

INSTALLATION INFORMATION

The assembly of Terrafina deck boards is exceptionally simple using the provided mounting clips onto the RAAFT® support structure system, making installation fast and easy. Disassembly and reassembly is equally straightforward if alterations or additions are required at a later date.

SUSTAINABILITY

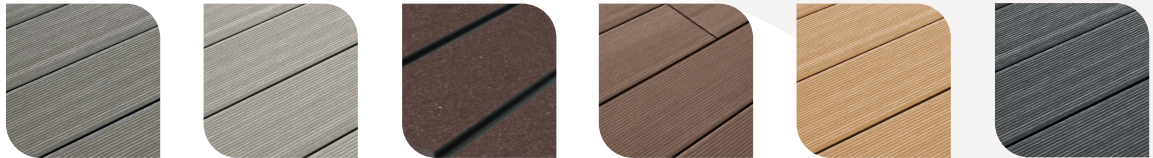
Terrafina Excel WPC is 100% recyclable and contains softwood only from PEFC certified suppliers (Programme for the Endorsement of Forest Certification), all of which operate on the principle of 100% sustainable forest management.

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COLOUR RANGE



FINISH	GREY BROWN	PEBBLE GREY	RED BROWN	COFFEE BROWN	GRAPHITE	SAND
Plain	✓	✓	✓	✓	✓	✓
Yacht	✓	✓	✓	-	-	-

FIRE PROTECTION

COLOUR	DIN EN 13501-1	DIN EN 13501-5
Grey Brown	Bfl (s1 d0)	Broof (t1)
Pebble Grey	Bfl (s1 d0)	Broof (t1)
Red Brown	Bfl (s1 d0)	Broof (t1)
Coffee Brown	Bfl (s1 d0)	Broof (t1)
Sand	Bfl (s1 d0)	Broof (t1)
Graphite	Bfl (s1 d0)	Broof (t1)

PROTECTIVE EQUIPMENT

We recommend that PPE (Personal Protective Equipment) is used when installing Terrafina Excel Composite Decking:

- Good strong safety boots/shoes to protect the feet.
- Protective eyewear such as safety glasses.
- Strong gloves to protect the hands.
- If using loud cutting equipment then ear plugs or defenders should be worn.

STORAGE AND HANDLING


The profiles come in bundles of two pieces shrink wrapped together with a protective cardboard edge (5/5.5/6m lengths are packed singly), packed onto a pallet. Please always make sure that the packaging is not damaged during storage.

Until the point of installation, the deck boards and support joists should be stored fully packed, fully supported along their length and in a dry environment. Condensed water due to humidity must not penetrate into the packaging. If moisture penetrates due to damaged packaging, the wrapping should be removed completely and sufficient drying and ventilation of the profiles should be allowed. Improper storage may lead to irreversible deformation.

Whilst there are no specific weight restrictions on what is or is not safe to lift in manual handling, an assessment of the health and safety risks should be undertaken and measures taken to reduce the risk of injury so far as reasonably practicable.

The following guidelines may be useful:

- Each person should be fully trained in manual handling techniques.
- The use of handling aids such as a trolley, folk-lift, pallet truck or conveyor should be used if moving large volumes of cartons.
- Break up large consignments into more manageable loads.
- Ensure that the product is stored at a reasonable height, avoiding the lifting of cartons from floor level or above shoulder height.
- Reduce carrying distances of cartons.

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