



hanit® ULTRA DECKING BOARDS

DECKS, BOARDWALKS, COASTAL PATHS, BRIDGES, PLATFORMS

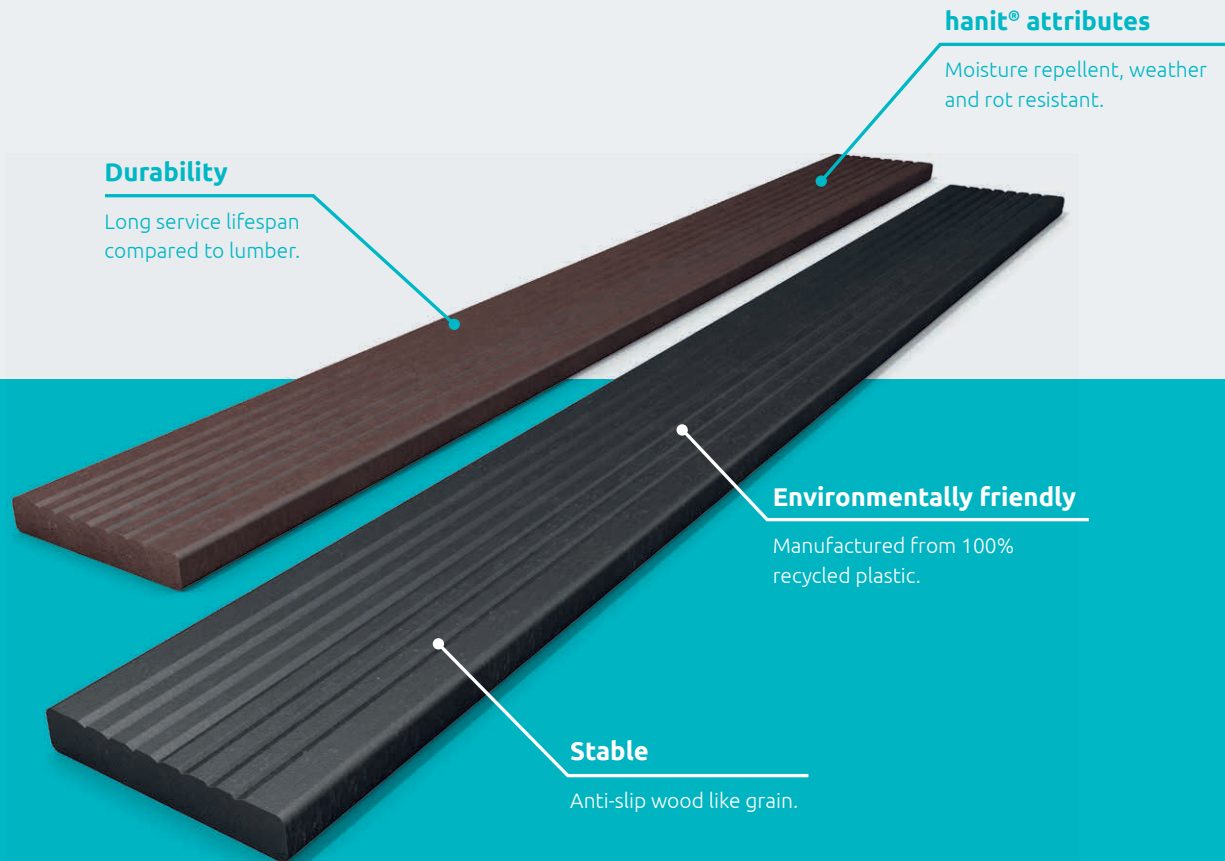


SPECIFICATIONS

Length	360 cm – 141.73"
Width	15 cm – 5.91"
Height	2.7 cm – 1.06" & 3.8 cm – 1.50"
Weight	13 kg – 28.66 lbs & 19.5 kg – 42.99 lbs
Material	100% recycled plastic
Colour	Black or Brown
Finish	High quality wood-like grain effect

KEY FACTS

- » Excellent quality, durable and robust
- » Non-rotting and weather resistant
- » Low maintenance and cost effective throughout the product life
- » Easy to cut & install
- » Anti-slip and resistant to algae and fungi
- » hanit® reduces the carbon footprint of a project and it is completely recyclable



Durability

Long service lifespan compared to lumber.

hanit® attributes

Moisture repellent, weather and rot resistant.

Environmentally friendly

Manufactured from 100% recycled plastic.

Stable

Anti-slip wood like grain.

hanit® MATERIAL TEST DATA

Testing	Standard DIN EN ISO	Result		
3 point bend	178	Flexural stress	-5°C	35.1 MPa
		Bending e-modulus		2,261 MPa
		Flexural stress	23°C	24.0 MPa
		Bending e-modulus		1,424 MPa
		Flexural stress	65°C	16.5 MPa
		Bending e-modulus		856 MPa
Tensile	527-2	Strength		15.6 MPa
		Tensile e-modulus		1,490 MPa
		Elongation		1.7%
Timed tensile	899-1	Tensile e-modulus	1 hour	1,043 MPa
			24 hours	975 MPa
			100 hours	852 MPa
Timed 3 point bend	899-2	Bending e-modulus	1 hour	1,159 MPa
			24 hours	943 MPa
			100 hours	816 MPa
Pressure characteristics	604	Compression strength	1% stretch	2.5 MPa
			2% stretch	5.3 MPa
			10% stretch	27.9 MPa
			Compressive stress at yield	29.0 MPa
		Pressure e-modulus		815 MPa
Charpy test	179	Impact resistance		12 kJ/m ²
Impact shore hardness	868	Shore hardness		62
Density test	1183-1	Density		1.0529 g/cm ³
Water absorption	62	23°C, 50%r.L.		<1%
		23°C in water		<1%
		100°C in water		<1%
Resistance	60093 ⁴	Surface resistance		1.5 x 10 ¹⁴ Ω
		Specific surface resistance		1.5 x 10 ¹⁵ Ω
		Flow/contact resistance		>2.0 x 10 ¹⁴ Ω
		Specific flow/contact resistance		>8.4 x 10 ¹⁴ Ω
Ball striking test	2039-1	Ball striking hardness		39.52 N/mm ²
Thermal expansion		Coefficient of thermal expansion		0.0001510648 1/°C
Screw pull out force		Drilled material		8,230 N
		Non pre-drilled		8,140 N

