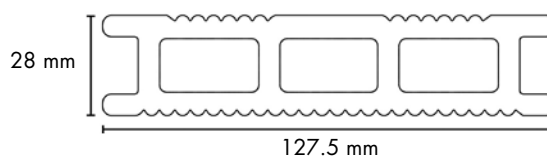




UPM ProFi® Terra 127 Technical Data Sheet

MATERIAL Hollow composite profile made by extrusion technology. Minimum 80% recycled content. Principle ingredients: polymer and lignin free cellulose fibres from recycled label waste combined with recycled polyethylene.

STRUCTURE Two sided profile, with a different groove pattern on each face:



DIMENSIONS OF PROFILE Decking Board 28 x 127.5 mm; length 3.15 m; weight 2.4 kg/m



PHYSICAL AND MECHANICAL PROPERTIES OF DECKING BOARD

Property	Test method	Unit	Value
Density	EN ISO 1183*	g/cm ³	1.2
Bending Strength	EN 310*	N/mm ²	10
Surface Hardness (Brinell)	EN 1534*	N/mm ²	50
Wear resistance (Taber 1000 r)	EN 438-2	mm	0.18
Friction (wet/dry)	EN 15676*	-	43/77
Thermal Expansion Coefficient	ISO 11359-2*	1/°C	4.3 × 10 ⁻⁵
Water Absorption (24 h)	EN 317*	%	< 2.5
Swelling, thickness (24 h)	EN 317*	%	< 1

* Based on EN 15534 wood plastic composites (WPC).

The values above are characteristic values from quality tests and therefore not for strength calculations in the serviceability state.

THERMAL EXPANSION

As with all composite decks, UPM ProFi Terra 127 will expand and contract with changes in temperature. The following table illustrates this effect over different temperature changes. The temperature change listed relates to the temperature of the composite material, not the air temperature.

Temperature change of board	10°C	20°C	30°C	40°C	50°C	60°C
1 m board	1	1	2	2	2	3
2 m board	1	2	3	4	5	5
3.15 m board	2	3	4	5	7	8

