

TARIMATEC ECOFIBER STONE COMPOSITE DECKING

Product Datasheet

Hollow and solid deck profiles — verified performance data

Tarimatec is an Ecofiber Stone Composite — a PVC-mineral composite of PVC, rice husk and limestone, extruded by Plásticos Viters S.L. in Valencia, Spain, and distributed in Canada by Zinodeck. The figures below are drawn from the Tarimatec Manual Técnico 2023 and the verified Environmental Product Declaration; the governing test standard is cited beside every value.

COMPOSITION (PER EPD)

PVC 100 : rice husk 50 : limestone 40 — parts by weight.

33 % recovered composite re-used in production, per the EPD (S-P-07588, verified, valid to 2027-12-02). The board is recyclable at end of life.

Technical specification

Property	Hollow deck (Tecno / Nature / Surco)	Solid deck (Nature Maciza)	Standard
Section	150 × 27 mm (180 / 200 mm special order)	149.2 × 20 mm	—
Length	2,500 mm ±10 (custom to 4,000 mm for over 100 m ²)	2,500 mm	—
Coverage	approx. 6.5 linear m of board per m ² (approx. 2.6 boards of 2,500 mm)	approx. 6.5 linear m of board per m ² (approx. 2.6 boards of 2,500 mm)	Tarifa 2025
Substructure / fixing quantities	3.5 linear m of joist per m ² ; 25 clips per m ²	3.5 linear m of joist per m ² ; 25 clips per m ²	Tarifa 2025
Weight	approx. 17.1 kg/m ²	approx. 23.9 kg/m ²	EPD S-P-07588
Density	1.54 g/cm ³	1.44 g/cm ³	UNE-EN ISO 1183-1
Flexural strength	38.1 MPa	46.4 MPa	UNE-EN ISO 178
Impact resistance	over 7 J	over 20 J	UNE-EN ISO 477
Brinell hardness	179.95 HB	179.95 HB	UNE-EN 1534
Water absorption 24 h	0.59 %	0.38 %	UNE-EN 317

Property	Hollow deck (Tecno / Nature / Surco)	Solid deck (Nature Maciza)	Standard
Water absorption 28 d	1.66 %	0.95 %	UNE-EN 317
Thermal expansion	$2.81 \times 10^{-5} / ^\circ\text{C}$	$2.81 \times 10^{-5} / ^\circ\text{C}$	UNE 53126
Fire reaction	Bfl-s1	Bfl-s1	UNE-EN 13501-1
Roof covering	Broof(t1)	—	UNE-ENV 1187
Slip resistance	Class 3 (R11)	Class 3	UNE-ENV 12633
Solar reflectance index	up to over 80, measured on a white sample (Tecnalia 082062-002)	—	ASTM E1980
Fungal resistance	not attackable (basidiomycetes, soft rot)	not attackable (basidiomycetes, soft rot)	UNE-ENV 12038 / CEN/TS 15083-2
Substructure	aluminium joist A 30x50 (EN AW 6005 T6), joist spacing 350 mm or less (250 mm or less in tropical / high-humidity conditions)	as hollow deck	Manual Técnico 2023
Fixing	hidden clip “H” in AISI 304L (316L in saline environments), 25 clips per m ² ; DIN 7504P A2 4.2 x 25 mm screws	as hollow deck	Manual Técnico 2023
Composition	PVC 100 : rice husk 50 : limestone 40 (parts by weight); 33 % recovered composite re-used in production	as hollow deck	EPD S-P-07588 (valid to 2027-12-02)
Warranty	25 years — Tarimatec’s manufacturer warranty, administered in Canada by Zinodeck; excludes damage caused by weight overload	as hollow deck	Manual Técnico 2023, p. 62

READING THE SOLAR REFLECTANCE FIGURE

The solar reflectance index is reported as up to over 80 and was measured on a white sample (Tecnalia report 082062-002, ASTM E1980). Darker finishes return lower values. Specify the finish colour when the reflectance figure is being relied on.

Source: Tarimatec Manual Técnico 2023 ed. 10/11; EPD S-P-07588.

Coverage and substructure quantities: Tarimatec Tarifa 2025.

Water absorption is measured at 0.59 % at 24 h (EN 317) for the hollow deck and 0.38 % at 24 h (EN 317) for the solid deck. Figures are manufacturer test values; site conditions vary.