

CHARACTERISTICS

Composition	Approx. 2/3 PEFC wood and 1/3 polyethylene (excl. additives)
Widths	138 mm
Dimensions in mm	138 x 23 x 4 000
Tolerances	Width and thickness: +/- 2 mm; length: +/- 10 mm
Surface finish	Smooth
Linear density	3.6 kg/ml



ADVANTAGES

	Smooth finish
Worked in the same manner as solid wood	● ● ●
Scratch-resistant	●
Repairable surface appearance (sanding)	● ● ●
Slip-resistant	● ●
Comfortable barefoot on sunlit surface (board t° in the sun) compared to exotic wood	● ●
Easy clean-up of household stains	● ●
Suited to outdoor areas exposed to UV rays and rain	● ● ●

● : medium ● ● : good ● ● ● : very good



PROPERTIES

Properties	Results	Standards	
Environmental Product Declaration (EPD)	Registration number: 3-171:2019 First manufacturer to have drawn one up, in 2019, for our composite deck boards. Carbon footprint emitted (13.2 kg of CO2 per functional unit) approximately twice as less compared to other composites of German origin and 4 times less than exterior ceramic facings.	NF EN ISO 14025, NF EN 15804+A1 and NF EN 15804/CN	
VOC emission	Low: A+ rating, non-toxic boards	EN 71-3 / ISO 16000	
Slip resistance	Shoed feet Smooth finish		
	Lengthwise to the board 138 mm Cross-wise to the board 138 mm	R11 R13/R11	DIN 51130
	Bare feet: C Rating		DIN 51097
Moisture resistance	After immersion for 28 days: Thickness: < 1.3%; ΔL: < 0.2%; ΔL: < 0.3%; Δweight: < 2.3%	EN 317	
Fungal resistance	DC1 rating (very long-lasting)	EN 350	
Termite resistance	"Long-lasting" rating	EN 350	
Use rating	Use rating 4: EXTERIOR wood in contact with the ground or fresh water	EN 335	
Load resistance	Withstands a uniformly distributed load of 500 kg/m ² , For outdoor pedestrian use	Eurocode 1 / NF EN 1991-1	
Impact penetration hardness	Brinell hardness 59.6 MPa, very strong material, > oak and >= exotic woods	EN 15534-1	
Tensile strength	Fm = 24.6 MPa ; E = 4574 Mpa	EN 15534 / EN 310	
Fire reaction	Ratings: Dfl s1 / Broof (t1)	EN 13501-1 / NF EN 13501-5	
Coefficient of thermal expansion	αL < 35 x 10 ⁻⁶ . °C ⁻¹ / αT < 70 x 10 ⁻⁶ . °C ⁻¹	EN 15534-4	

INSTALLATION CONDITIONS

- Interval between joists: 400 mm
- Expansion gap between boards: 5 mm
- Peripheral gap between boards and external components: 15 mm

LOGISTICAL INFORMATION

On pallets L=4m	Quantity	working m ²	Net weight
138 mm boards	104	59	1 456 kg

LAYOUT

For 1 m² of 138 mm-wide decking boards, use:

- 7 linear metres of boards,
- 3 linear metres of joists,
- 18 single fastening clips.



*warranty terms can be downloaded from www.silvadec.com

Quote assistance: see configurator on Silvadec.com



FINISHING BOARDS AND PROFILES

Decking boards Smooth finish				
138 mm	Ref.	SILAM0901L4	SILAM0902L4	SILAM1906L4
	EAN code	3760102970997	3760102971000	3701347200401
Fascia boards (L=2 m)				
70 mm	Ref.	SIJUP1001	SIJUP1002	SIJUP1901
	EAN code	3760102972977	3760102972984	3701347200401
Special stainless steel composite screws (x50)				
5 x 50 mm	Ref.	SIVIS1702	SIVIS1701	SIVIS1703
	EAN code	3760102978962	3760102978955	3760102978979

Accessories			
	Aluminium corner profile 37 x 74 mm	Aluminium non-slip insert	Invisiclip option (x30)
Ref.	SICOALU1101	SIANTI1301	SICLIP1902
EAN code	3760102978986	3760102975381	3701347200494

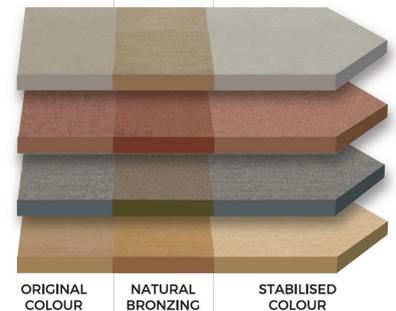
STRUCTURE AND FASTENING

Composite joist structure 50x50mm								
Ref.	SILAMB1001	SILAMB0601	SILAMB1102	SICLIP0501	SICLIP0801	SICLIP0601	SICLIP0502	SICLIP1601
EAN code	3760102973189	3760102970195	3760102973295	3760102970058	3760102971710	3760102970171	3760102970157	3760102978139
Joists support	Flat installation on flat concrete slabs							

Aluminium joist structure 63x40x360mm				
Ref.	SILAMB2102	SILAMBENT2101	SICLIP2102	SICLIP2111
EAN code	3701347201101	3701347201118	3701347202528	3701347202535
Joists support	Interval between pedestals: 40 cm (public) 60 cm (residential)			

Temporary bronzing phenomenon upon initial UV exposure

BEFORE EXPOSURE TO UV RAYS AFTER A FEW HOURS IN THE SUN AFTER A FEW WEEKS OF EXPOSURE TO THE WEATHER



Practical information

- Decking installation instructions (ref. PU7)



- Maintenance advice

