

Technical data sheet

Elegance decking board

TECHNICAL CHARACTERISTICS

Composition	Approx. 2/3 PEFC wood and 1/3 polyethylene (excl. additives)
2 widths	138 and 180 mm
Dimensions in mm	138 x 23 x 4000 and 180 x 23 x 4000 Lengths 1 to 6 m available on special order
Tolerances	Width and thickness: +/- 2 mm; length: +/-10 mm
Surface finish and linear density	- Grooved: 3.5 kg/lm (138 mm) - 4.4 kg/lm (180 mm) - Smooth: 3.6 kg/lm (138 mm) - 4.6 kg/lm (180 mm) - Embossed: 3.6 kg/lm (138 mm) - 4.6 kg/lm (180 mm)



ADVANTAGES

	Grooved	Smooth	Embossed
Worked in the same manner as solid wood	● ●	● ● ●	● ●
Scratch-resistant	● ● ●	●	● ●
Repairable surface appearance (sanding)	● ●	● ● ●	●
Slip-resistant	● ● ●	● ●	● ●
Comfortable barefoot (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.				NF EN ISO 14025, NF EN 15804+A1 and NF EN 15804/CN
VOC emission	Low: A+ rating, non-toxic boards. Ideal for use in nurseries, suitable for children of all ages				EN 71-3 / ISO 16000
Slip resistance	Shoed feet \ Finish	Grooved	Smooth	Embossed	DIN 51130
	Lengthwise to the board (138 / 180 mm) Cross-wise to the board (138 / 180 mm)	R13/R11 R12	R12 R12/R11	R11 R12	
	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/m2, 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	138: Fm = 24.6 MPa ; E = 4574 Mpa 180: Fm = 26.4 MPa ; E = 4260 Mpa				EN 15534 / EN 310
Fire reaction	Ratings: Dfl s1 / Broof (tl)				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

LOGISTICAL INFORMATION

On pallets L=4m	Quantity	working m²	Net weight
138 mm boards	104	59	1 456 kg
180 mm boards	78	57	1 436 kg

LAYOUT

For 1 m² of decking comprising

138 mm-wide boards, use:

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

180 mm-wide boards, use:

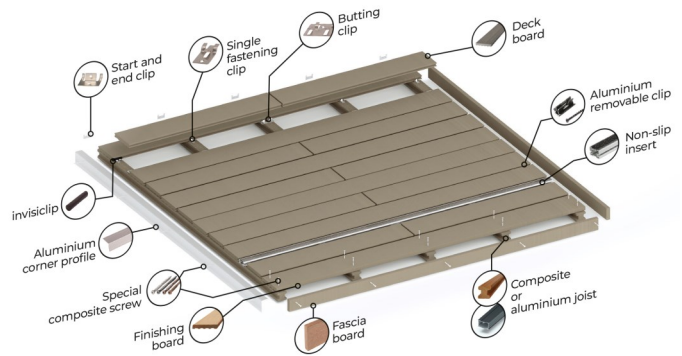
- 5.4 metres metres of boards,
- 3 metres metres of joists,



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

Quote assistance: see configurator on Silvadec.com






FINISHING BOARDS AND PROFILES

138 mm decking boards		Colorado brown		Exotic brown		Anthracite grey		Iroise grey	
Grooved finish	Ref.		SILAM0501L4		SILAM0503L4		SILAM0903L4		SILAM0502L4
Smooth finish	Ref.		SILAM0507L4		SILAM0509L4		SILAM0904L4		SILAM0508L4
Embossed finish	Ref.		SILAM1001L4		SILAM1002L4		SILAM1004L4		SILAM1003L4

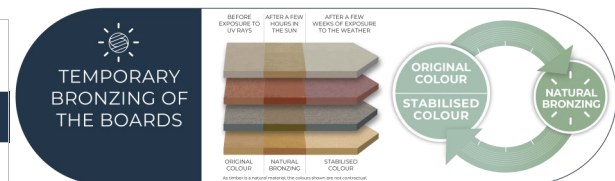
180 mm decking boards		Colorado brown		Exotic brown		Anthracite grey		Iroise grey	
Grooved finish	Ref.		SILAM1205L4		SILAM1206L4		SILAM1208L4		SILAM1207L4
Smooth finish	Ref.		SILAM1201L4		SILAM1202L4		SILAM1204L4		SILAM1203L4
Embossed finish	Ref.		SILAM1313L4		SILAM1314L4		SILAM1316L4		SILAM1315L4

Finishing boards (L=4 m)					
138 mm smooth finish	Ref.		SIPLCH0906		SIPLCH0908
180 mm smooth finish	Ref.		SIPLCH1302		SIPLCH1301





Smooth finish fascia boards (L=2 m)					
70 mm smooth	Ref.		SIJUP0301		SIJUP0401

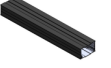

Special stainless steel composite screws (x50)					
5 x 50 mm	Ref.		Light brown SIVIS1702		Dark brown SIVIS1701

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



STRUCTURE AND FASTENING

Composite joist structure 50x50mm								
Ref.	SILAMB1001	SILAMB0601	SILAMB1102	SICLIP0501	SICLIP0801	SICLIP0601	SICLIP0502	SICLIP1601
Joists support	Flat installation on flat concrete slabs							

Aluminium joist structure 63x40x3600mm				
Ref.	SILAMB2102	SILAMBENT2101	SICLIP2102	SICLIP2111
Joists support	Interval between pedestals: 40 cm (public) 60 cm (residential)			

Practical information

- Decking installation instructions (ref. PU7)



- Maintenance advice

