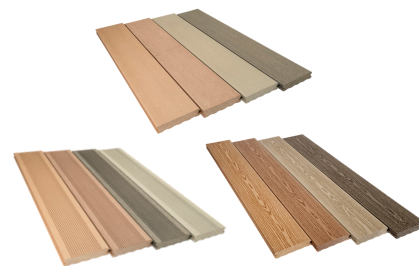


TECHNICAL CHARACTERISTICS

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/ml (138 mm) - 4.4 kg/ml (180 mm) - Smooth: 3.6 kg/ml (138 mm) - 4.6 kg/ml (180 mm) - Embossed: 3.6 kg/ml (138 mm) - 4.6 kg/ml (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. 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 \ Finish	Grooved Smooth Embossed
	Lengthwise to the board (138 / 180 mm) Cross-wise to the board (138 / 180 mm)	R13/R11 R11 R11 R12 R13/R11 R13
	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	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 (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
180 mm boards	78	57	1 436 kg

LAYOUT

For 1 m² of decking comprising

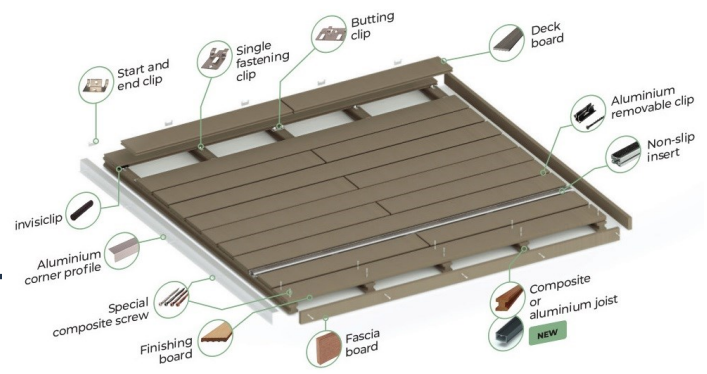
- 138 mm-wide boards, use:**
- 7 linear metres of boards,
 - 3 linear metres of joists,
 - 18 single fastening clips.

- 180 mm-wide boards, use:**
- 5.4 metres metres of boards,
 - 3 metres metres of joists,
 - 14 single fastening clips.



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

Quote assistance: see configurator on Silvadek.com



FINISHING BOARDS AND PROFILES

138 mm decking boards		Colorado brown		Exotic brown		Anthracite grey		Iroise grey	
Grooved finish	Ref.		SILAM0501L4		SILAM0503L4		SILAM0903L4		SILAM0502L4
	EAN code		3760102970126		3760102970218		3760102970980		3760102970201
Smooth finish	Ref.		SILAM0507L4		SILAM0509L4		SILAM0904L4		SILAM0508L4
	EAN code		3760102970737		3760102970751		3760102971055		3760102970744
Embossed finish	Ref.		SILAM1001L4		SILAM1002L4		SILAM1004L4		SILAM1003L4
	EAN code		3760102972854		3760102972113		3760102972137		3760102972120

180 mm decking boards		Colorado brown		Exotic brown		Anthracite grey		Iroise grey	
Grooved finish	Ref.		SILAM1205L4		SILAM1206L4		SILAM1208L4		SILAM1207L4
	EAN code		3760102974674		3760102974698		3760102974735		3760102974711
Smooth finish	Ref.		SILAM1201L4		SILAM1202L4		SILAM1204L4		SILAM1203L4
	EAN code		3760102974599		3760102974612		3760102974650		3760102974636
Embossed finish	Ref.		SILAM1313L4		SILAM1314L4		SILAM1316L4		SILAM1315L4
	EAN code		3760102975442		3760102975466		3760102975503		3760102975480

Finishing boards (L=4 m)		Colorado brown		Exotic brown		Anthracite grey		Iroise grey	
138 mm smooth finish	Ref.		SIPLCH0906		SIPLCH0908		SIPLCH0910		SIPLCH0907
	EAN code		3760102971932		3760102973196		3760102973202		3760102971949
180 mm smooth finish	Ref.		SIPLCH1302		SIPLCH1301		SIPLCH1304		SIPLCH1303
	EAN code		3760102975404		3760102975398		3760102975428		3760102975411

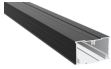



Smooth finish fascia boards (L=2 m)		Colorado brown		Exotic brown		Anthracite grey		Iroise grey	
70 mm smooth	Ref.		SIJUP0301		SIJUP0401		SIJUP0901		SIJUP0302
	EAN code		3760102973141		3760102973158		3760102973172		3760102973165

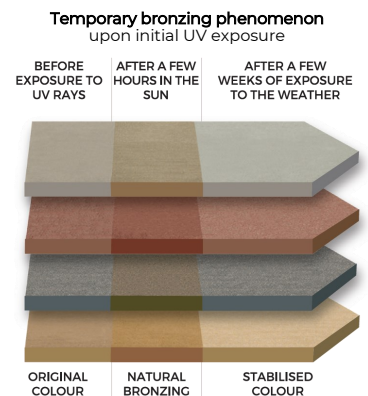
Special stainless steel composite screws (x50)		Light brown		Dark brown		Dark grey		Light grey	
5 x 50 mm	Ref.		SIVIS1702		SIVIS1701		SIVIS1703		SIVIS1704
	EAN code		3760102978962		3760102978955		3760102978979		3760102978986

Accessories	 Aluminium corner profile 37 x 74 mm	 Aluminium non-slip insert	 Invisiclip option (x30)
Ref.	SICOALU1101	SIANTI1301	SICLIP1902
EAN code	3760102972755	3760102975381	3701347200494

STRUCTURE AND FASTENING

Composite joist structure 50x50mm	 Brown joist (L=4m)	 Brown joist (L=3m)	 Grey joist (L=4m)	 Single fastening clip + screws (x30)	 Single fastening clip + screws (x360)	 Start and end clip (x10)	 Butting clip (x10)	 Removable clip option (x10)
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 63x40x3600mm	 NEW Aluminium joist (L=3,6m)	 Alu strut 337mm (without squares)	 Single fastening clip + screws for alu joist (x36)	 Start & end clip + screws for alu joist (x10)
Ref.	SILAMB2102	SILAMBENT2101	SICLIP2102	SICLIP2111
EAN code	3701347201101	3701347201118	3701347202528	3701347202535
Joists support	Interval between pedestals: 40 cm (public) 60 cm (residential)			



Practical information

- Decking installation instructions (ref. PU7)



- Maintenance advice

