

TECHNICAL DATA SHEETS FOR DECKING



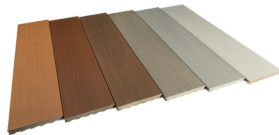
silvadeck

Life is composite



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
Linear density	3.2 kg/ml (138 mm) - 4.25 kg/ml (180 mm)



ADVANTAGES

	Brushed finish
Temporary bronzing	NO
Scratch-resistant	●●
Slip-resistant	●●●●
Comfortable barefoot (t° of the board in the sun) compared to exotic wood: - Lima Brown and Belem Grey: good - Sao Paulo and Rio Brown as well as Cayenne and Ushuaia Grey: medium	●● ●
Easy clean-up of household stains	●●●●
Suited to outdoor areas exposed to UV rays and rain	●●●●
Suited to sheltered or covered areas (including outdoor kitchens)	●●●●

● : medium ●● : good ; very good ●●●●



PROPERTIES

Properties	Standards	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
Fungal resistance	SHORE TEST (Finish Brushed) Lengthwise to the board R12 Cross-wise to the board R13 After immersion for 24 hours: Swelling: 0.4% Weight gain: 1.4%	DIN 51130
Moisture resistance		EN 317
Fungal resistance	DCI rating (very long-lasting)	EN 350
Termite resistance	"Long-lasting" rating	EN 350
Scratch resistance	350 gf: suitable for intensive commercial use_FCBA Method NF Floors	XP B 53669 appendix D
Load resistance	Withstands a uniformly distributed load of 500 kg/m2. For outdoor pedestrian use	Eurocode 1 / NF EN 1991-1
Tensile strength	Fm = 23.6 MPa	EN 15534 / EN 310
Coefficient of thermal expansion	αL < 29 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	1 332 kg
180 mm boards	78	57	1 326 kg

LAYOUT

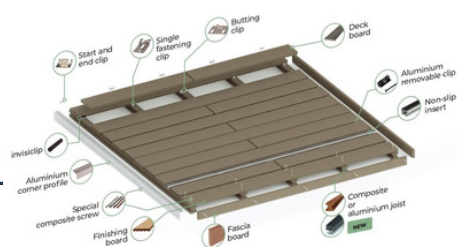
For 1 m² of decking comprising

- 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 linéaires de lames,
 - 3 metres metres of joists,
 - 14 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 Brushed finish							
Ref. 138 mm		Lima brown SILAM1602L4	Sao Paulo brown SILAM1602L4	Rio brown SILAM1812L4	Cayenne grey SILAM1603L4	Ushuaia grey SILAM1609L4	Belem grey SILAM1601L4
	EAN code	3760102978252	3760102977880	3760102970799	3760102977927	3760102978290	3760102977866
Ref. 180 mm		SILAM1808L4	SILAM1809L4	SILAM1811L4	SILAM1810L4	SILAM1610L4	SILAM1807L4
	EAN code	3760102978276	3760102978214	3760102970768	3760102978238	3760102978313	3760102978177
Finishing boards (L=4 m)							
138 mm Ref.	EAN code	3760102978757	3760102978740	3760102970812	3760102978771	3760102978788	3760102978764
180 mm Ref.	EAN code	3760102970867	3760102970850	3760102970874	3760102970843	3760102970829	3760102970836
(L=2 m) Ref.							
70 mm	EAN code	3760102978337	3760102977903	3760102970805	3760102977934	3760102978122	3760102978320
steel composite screws (x50)							
Ref.		SIVIS1702	Dark brown SIVIS1701	Dark grey SIVIS1703	Light grey SIVIS1704		
5 x 50 mm	EAN code	3760102978962	3760102978955	3760102978979	3760102978986		

Accessories			
Ref.	SICOALU101	SIANTI1301	SICLIP1902
EAN code	3760102972755	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 63x40x3600mm			
Ref.	NEW Aluminium joist Alu strut 337mm clip + screws for screws for alu joist (L=3,6m) (without squares) alu joist (x36) (x10)		
EAN code	SILAMB2102 SILAMBENT2101 SICLIP2102 SICLIP2111		
Joists support	Interval between pedestals: 40 cm (public) 60 cm (residential)		

Practical information

- Decking installation instructions (ref. PU7)



- Maintenance advice



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

- 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

Smooth finish
●●●●
●
●●●●
●●
●●
●●
●●●●

+ POINTS

Splinter-free
Does not fade
to grey like solid wood
No treatment required
Lasting integral shades of colour
UV- and frost-resistant
Rot-proof
25-year warranty*

PROPERTIES

Properties	Results	Standards
Environmental Product Declaration (EPD) approximately twice as less compared to other composites of German origin and 4 times less than exterior ceramic facings.	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) 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
Lengthwise to the board 138 mm R11		DIN 51130
Slip resistance Cross-wise to the board 138 mm R13/R11		
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 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:

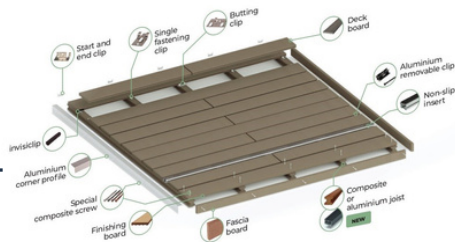
- 7 linear metres of boards,
- 3 linear metres of joists,
- 18 single fastening clips.



*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.	Savannah brown SILAM0901L4	Equator brown SILAM0902L4	Taiga grey 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.	Light brown SIVIS1702	Dark brown SIVIS1701	Dark grey SIVIS1703
	EAN code	3760102978962	3760102978955	3760102978979

Accessories			
	Aluminium corner profile 37 x 74 mm	Aluminium non-slip insert	Invisiclip option (x30)
Ref.	SICOALU1101	SIANTI11301	SICLIP1902
EAN code	3760102978986	3760102975381	3701347200494

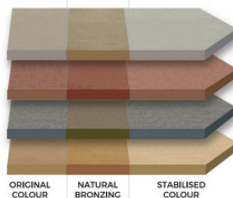
STRUCTURE AND FASTENING

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 63x40x3600mm				
	NEW Aluminium joist Alu strut 337mm + screws for alu joist for alu joist (L=3,6m) (without squares) (x36) (x10)			
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)

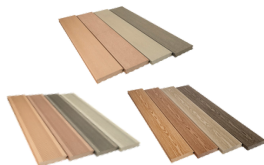


- Maintenance advice



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

+ POINTS

Splinter-free
Does not fade to grey like solid wood
No treatment required
Rot-proof
UV-resistant
Frost-resistant
25-year warranty*

PROPERTIES

Properties Results	Standards
Registration number: 3-1712019 First manufacturer to have drawn one up, in 2019, for our Environmental Product Declaration composite deck boards. Carbon footprint emitted (13.2 kg of CO2 per functional unit) (EPD) 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 Lengthwise to the board (138 / 180 mm) R13/R11 R11 R11 Cross-wise to the board (138 / 180 mm) R12 R13/R11 R13	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	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

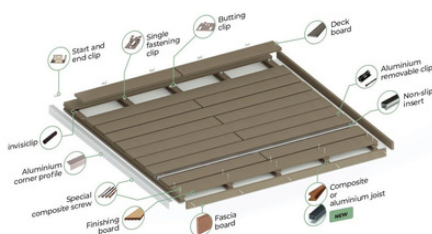
For 1 m² of decking comprising 138 mm-wide boards, use:

- 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.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
	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)					
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)					
70mm smooth	Ref.	SIJUP0301	SIJUP0401	SIJUP0901	SIJUP0302
	EAN code	3760102973141	3760102973158	3760102973172	3760102973165

Special stainless steel composite screws (A6)		Light brown	Dark brown	Dark grey	Light grey
5 x 50 mm	Ref.	SIVIS7702	SIVIS7701	SIVIS7703	SIVIS7704
	EAN code	3760102978962	3760102978955	3760102978979	3760102978986

Accessories	Aluminium corner profile 37 x 74 mm	Aluminium non-slip insert	Invisiclip option (x30)
Ref.	SICOALU101	SIANT1301	SICLIP1902
EAN code	3760102972755	3760102975381	3701347200494

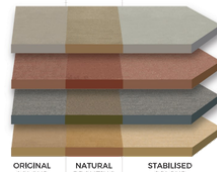
STRUCTURE AND FASTENING

Composite joist structure 50x50mm	Brown joist (L=4m)	Brown joist (L=3m)	Single fastening clip + screws	Single fastening clip + screws	Single fastening	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	Single fastening clip Start & end clip	NEW Aluminium joist Alu strut 57mm + screws for alu joist + screws for alu joist (L=3.6m) (without squares) (x36) (x10)	SILAMB2102 SILAMBENT2101	SICLIP2102 SICLIP2111	3701347202535
Ref.					
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

