Technical data sheet
Atmosphere decking boards

TECHNICAL CHARACTERISTICS

Composition	Approx. 2/3 PEFC wood and 1/3 polyethylene (excl. additives)
Widths	6 colors : 138 and 180 mm IPE : 138 mm
Dimensions in mm	138 x 23 x 4000 and 180 x 23 x 4000 Lengths 1 to 6 m available on special order Lengths 1 to 4 m available on special order (IPE)
Tolerances	Width and thickness: +/- 2 mm; length: +/-10 mm
Linear density	3.2 kg/lm (138 mm) - 4.25 kg/lm (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

+ POINTS

Colour stability
Easy clean-up of household stains
Splinter-free
No treatment required
Rot-proof
Frost-resistant
25-year warranty*

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. Ideal for use in nurseries, suitable for children of all ages	EN 71-3 / ISO 16000
Fungal resistance	Shoed feet \ Finish: Brushed Lengthwise to the board: R12 Cross-wise to the board: R13	DIN 51130
Moisture resistance	After immersion for 24 hours: Swelling: 0.4% Weight gain: 1.4%	EN 317
Fungal resistance	DC1 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

LOGISTICAL INFORMATION

On pallets L=4m	Quantity	working m²	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.

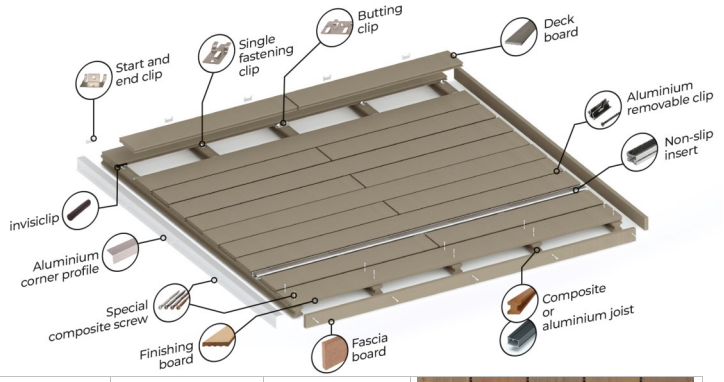
25 GUARANTEED YEARS*

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

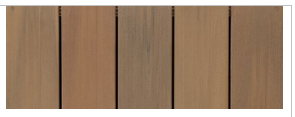
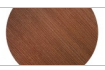
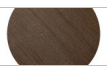
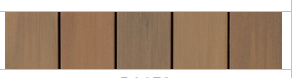
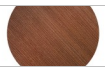
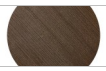
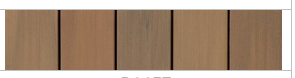
Quote assistance: see configurator on **Silvadec.com**

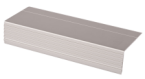
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Life is composite

MADE IN FRANCE MADE IN GERMANY



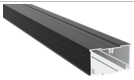
FINISHING BOARDS AND PROFILES

Decking boards Brushed finish		 Lima brown	 Sao Paulo brown	 Rio brown	 Cayenne grey	 Ushuaia grey	 Belem grey	 IPE
138 mm	Ref.	SILAM1607L4	SILAM1602L4	SILAM1812L4	SILAM1603L4	SILAM1609L4	SILAM1601L4	B0035
	EAN code	3760102978252	3760102977880	3760102970799	3760102977927	3760102978290	3760102977866	3701347203631
180 mm	Ref.	SILAM1808L4	SILAM1809L4	SILAM1811L4	SILAM1810L4	SILAM1610L4	SILAM1807L4	-
	EAN code	3760102978276	3760102978214	3760102970768	3760102978238	3760102978313	3760102978177	-
Finishing boards (L=4 m)								
138x23 mm	Ref.	SIPLCH1602	SIPLCH1601	SIPLCH1801	SIPLCH1604	SIPLCH1605	SIPLCH1603	B0038
	EAN code	3760102978757	3760102978740	3760102970812	3760102978771	3760102978788	3760102978764	3701347203600
180x23 mm	Ref.	SIPLCH1806	SIPLCH1805	SIPLCH1807	SIPLCH1804	SIPLCH1802	SIPLCH1803	-
	EAN code	3760102970867	3760102970850	3760102970874	3760102970843	3760102970829	3760102970836	-
Fascia boards (L=2 m)								
20x70 mm	Ref.	SIJUP1605	SIJUP1601	SIJUP1801	SIJUP1602	SIJUP1603	SIJUP1604	B0037
	EAN code	3760102978337	3760102977903	3760102970805	3760102977934	3760102978122	3760102978320	3701347203617
Special stainless steel composite screws (x50)		Light brown	Dark brown	Dark grey	Light grey	Light brown	Dark brown	
5 x 50 mm	Ref.	SIVIS1702	SIVIS1701	SIVIS1703	SIVIS1704	SIVIS1702	SIVIS1701	
	EAN code	3760102978962	3760102978955	3760102978979	3760102978986	3760102978962	3760102978955	

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=4 m)	 Brown joist (L=3 m)	 Grey joist (L=4 m)	 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)	Finishing screw for alu joist x50
Ref.	SILAMB2102	SILAMBENT2101	SICLIP2102	SICLIP2111	C0087
EAN code	3701347201101	3701347201118	3701347202528	3701347202535	3760102971093
Joists support	Interval between pedestals: 40 cm (public) 60 cm (residential)				

Practical information

- Decking installation instructions (ref. PU7)

- Maintenance advice