

# Technical data sheet

## Emotion decking board

### 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/lm



### 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

### + 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)	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
Slip resistance	<b>Shoed feet</b>	DIN 51130
	Lengthwise to the board 138 mm Cross-wise to the board 138 mm	
	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

### LOGISTICAL INFORMATION

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

### LAYOUT

For 1 m<sup>2</sup> of 138 mm-wide decking boards, use:

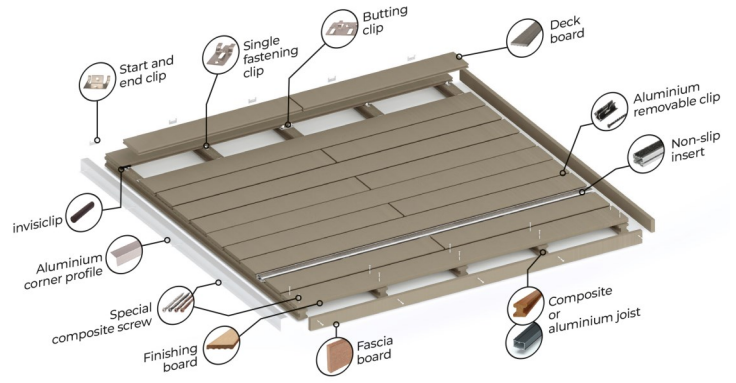
- 7 linear metres of boards,
- 3 linear metres of joists,
- 18 single fastening clips.









\*warranty terms can be downloaded from [www.silvadec.com](http://www.silvadec.com)

Quote assistance: see configurator on [Silvadec.com](http://Silvadec.com)













## FINISHING BOARDS AND PROFILES

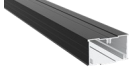
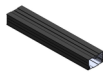



<b>Decking boards Smooth finish</b>			
<b>138 mm</b>	<b>Ref.</b>	SILAM0901L4	SILAM0902L4
	<b>EAN code</b>	3760102970997	3760102971000
<b>Fascia boards (L=2 m)</b>			
<b>70 mm</b>	<b>Ref.</b>	SIJUP1001	SIJUP1002
	<b>EAN code</b>	3760102972977	3760102972984
<b>Special stainless steel composite screws (x50)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

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



## STRUCTURE AND FASTENING

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

<b>Aluminium joist structure 63x40x3600mm</b>					
<b>Ref.</b>	SILAMB2102	SILAMBENT2101	SICLIP2102	SICLIP2111	C0087
<b>EAN code</b>	3701347201101	3701347201118	3701347202528	3701347202535	3760102971093
<b>Joists support</b>	Interval between pedestals: 40 cm (public) 60 cm (residential)				

## Practical information

- Decking installation instructions (ref. PU7)



- Maintenance advice

