

## Datasheet – Alu-Systemprofil- EVO

The EuroTec aluminum profile system is the alternative to wooden deck substructures. Unlike wooden substructures the alu- profile is always dimensionally stable and straight. Climate-induced distortions, cracks, etc., as they naturally occur in the material wood, omitted.



### EVO aluminium system-profile

Art.-No. 975610, Packing Unit: 1  
Dimension: 40 x 60 x 4000 [mm]

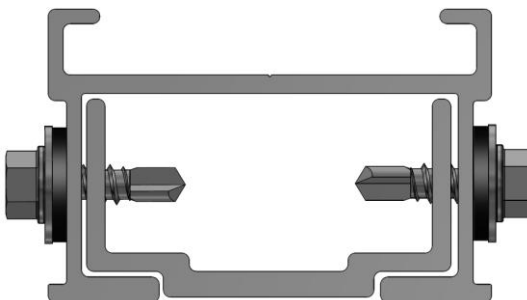


### EVO aluminium system-profile connector

Art.-No. 975611, Packing Unit: 10

With the aluminum profile system connector enables the system profiles extend endlessly. The connectors are simply inserted and fixed with the matching drilling screws supplied in the package.

Example of attaching a aluminum profile connector. Four drilling screws per connector are included.



Profile joints of the substructure should always take place directly over a support point. To reduce vibrations, we recommend the adjustable feet every 2nd substructure profile around  $L / 2$  offset to arrange.

## Technical information on support- and axial distances

The supports of aluminum system profiles can be done in EuroTec adjustable feet and on supports made of concrete.

The offset values (L) at the EuroTec adjustable feet are from the payload of the terrace, center distance (e) of the profiles interdependent.

Max. support distance L [Unit of measure: mm] of pedestal Eco-Line <sup>a)</sup>								
Payload [kN/m <sup>2</sup> ]	Axial spacing e [mm] of the profiles to each other <sup>b)</sup>							
	300	350	400	450	500	550	600	800
2,0	1000	1000	900	800	750	600	600	450
4,0 <sup>c)</sup>	750	650	550	500	450	400	350	250
5,0 <sup>c)</sup>	650	550	450	400	350	350	300	-

Max. support distance [Unit of measure: mm] of pedestal Profi-Line <sup>a)</sup>								
Payloads [kN/m <sup>2</sup> ]	Axial spacing e [mm] of the profiles to each other <sup>b)</sup>							
	300	350	400	450	500	550	600	800
2,0	1000	1000	1000	950	900	850	850	750
4,0 <sup>c)</sup>	900	850	850	800	750	750	700	650
5,0 <sup>c)</sup>	850	800	800	750	700	700	650	600

Max. span L [Unit of measure: mm] of aluminum system profile <sup>a)</sup>								
Payload [kN/m <sup>2</sup> ]	Axial spacing e [mm] of the profiles to each other <sup>b)</sup>							
	300	350	400	450	500	550	600	800
2,0	1000	1000	1000	950	900	850	850	750
4,0 <sup>c)</sup>	900	850	850	800	700	750	700	650
5,0 <sup>c)</sup>	850	800	800	750	700	700	650	600

a) Max. support spacing (L) for Click Foot/Big Foot adjustable feet at load capacities of 2, 4 and 5 kN/m<sup>2</sup>, at a board thickness of 25 mm and a board density of 7 kN/m<sup>3</sup>.

b) If WPC boards are used, the centre distance e between the profiles must not exceed 400 mm!

c) Imposed loads according to DIN EN 1991-1; roof terraces = 4 kN/m<sup>2</sup>, decks for public use = 5 kN/m<sup>2</sup>.

Payloads are governed by the Euro Code 1 of DIN EN 1991  
There are loads due to the destination  
proper use of a component can be expected.

Expressed in the Unit: kN/m<sup>2</sup>  
Kilonewton per square meter, 1 kN ≈ 100 kg

- Terraces without special request → 2,0 kN/m<sup>2</sup>
- Roof terraces, loggias, etc. → 4,0 kN/m<sup>2</sup>
- Terraces in the public space → 5,0 kN/m<sup>2</sup>

