

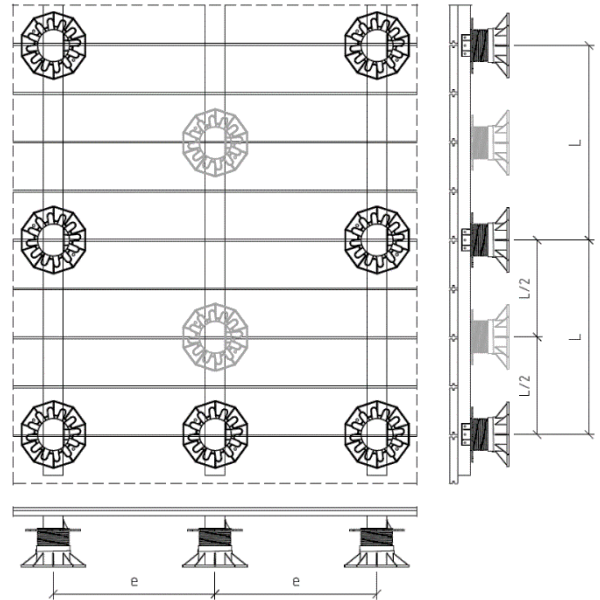
Mataverde® EUROTEC™ Deck System

Technical Information for Proper Spans for Residential and Commercial Design

When designing the Eurotec Deck System for rooftop decks, it is imperative that the existing roof system must be of sufficient strength and structural integrity to perform properly. Always have a Professional Engineer evaluate the existing roof structure prior to construction of a rooftop deck system of any type¹.

In the picture on the right and the Load Calculation Table below, "e" refers to the "on center" spacing between parallel rows of the Aluminum System Profile. "L" denotes the on center spacing between the pedestals in a particular row.

The following information should be helpful for planning your deck system.



Dead Load + Live Load Calculation Table

Aluminum System Profile - On Center Spacing >>		Maximum Spans for Aluminum System Profile in Inches			
		12" OC ("e")	16" OC ("e")	19.2" OC ("e")	24" OC ("e")
Combined Load Totals (Includes total of live load, dead load, snow load*). Pounds/ Square Foot ↓					
Pedestal Spacing at various loads and aluminum system profile spacing conditions*	40 lbs./sf	37.2" ("L")	33.5" ("L")	32.3" ("L")	29.8" ("L")
	50 lbs./sf (Typical requirement for residential decks in continental US.) Please see note below*	33.7" ("L")	30.4" ("L")	29.3" ("L")	27.0" ("L")
	60 lbs./sf	31.1" ("L")	28.0" ("L")	27.0" ("L")	24.9" ("L")
	70 lbs./sf	29.0" ("L")	26.1" ("L")	25.1" ("L")	23.2" ("L")
	80 lbs./sf	27.2" ("L")	24.5" ("L")	23.6" ("L")	21.8" ("L")
	90 lbs./sf	25.8" ("L")	23.2" ("L")	22.4" ("L")	20.6" ("L")
	100 lbs./sf	24.5" ("L")	22.1" ("L")	21.3" ("L")	19.6" ("L")

a.) Spans calculated to the maximum value not to exceed L/600 deflection

b.) Example: If span of Aluminum System Profile is 16" On Center, then the maximum span of the profile (between pedestals) = 30.4" at a 50 lbs./sf Combined Load total

***Always confirm local code requirements with local building official or Professional Engineer**

¹ Mataverde, Eurotec and General Woodcraft will not be responsible for determining the suitability and structural requirements necessary for the proper evaluation of an existing roof system or other structure. A licensed architect or professional engineer must evaluate the existing structure PRIOR to construction of any deck system.