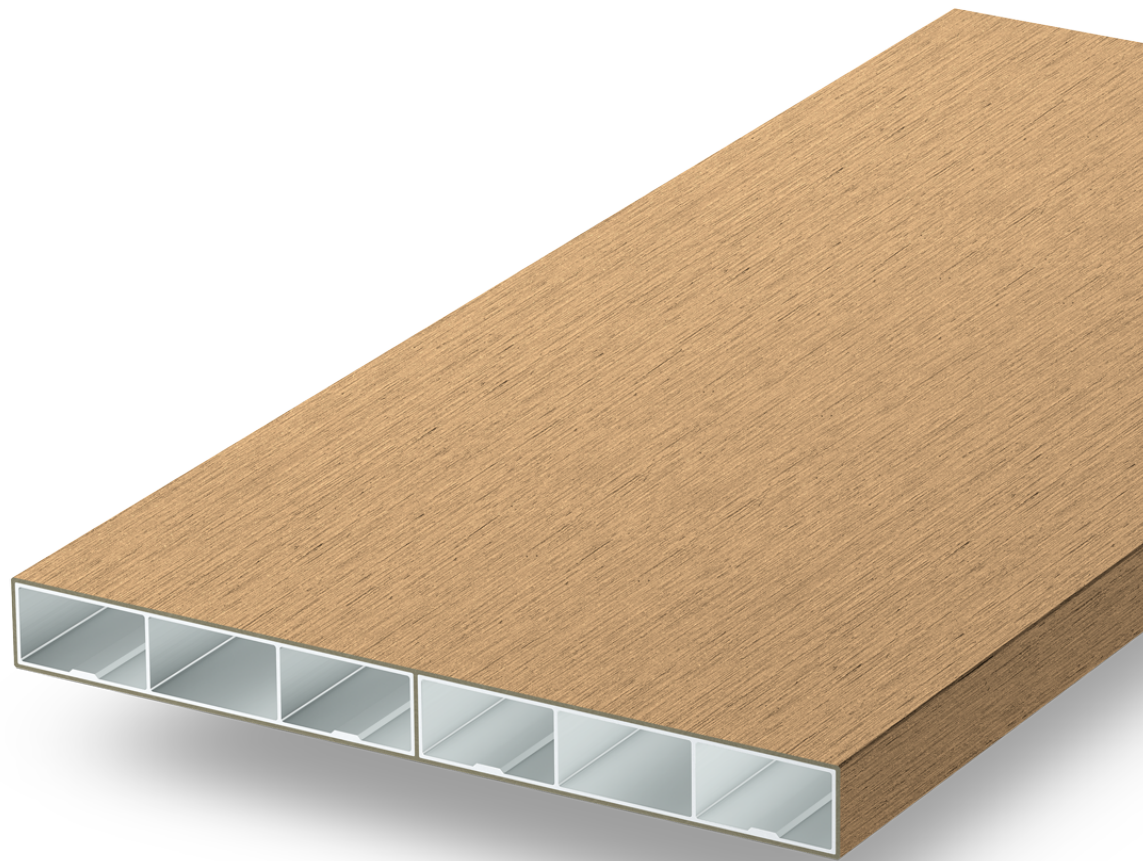




# Planeo 4123



**11 1/2 in x 1 1/4 in or 290 mm x 30 mm**

Technical datasheet

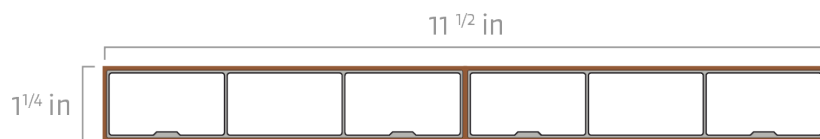


# Planeo 4123

WHS: Wood hybrid system

**Geolam**<sup>®</sup>

Architectural Eco-Technology



Section tolerances in mm: +/- 2.0 mm or +/- 3/32 in

The outer wpc layer is sanded. The provided dimensions are average thickness (as well for all drawing in that document)

## Fire rating:

### On request:

ASTM E-84 class A

Euroclass NF EN 135011 : B, s3-d0

Euroclass NF EN 135011 : A2, s3-d0

NFP 92 -507 : M2 or M1

## Surfaces finish: Sanded

Other surface textures available on request. Sanding finish and/or shading may vary between runs. WPC thickness may vary in compliance with flame test requirements.

**Profiles fastening and installation:** Planeo boards cannot be cut within the bolts at either board end. Refer to our website [www.geolam.com](http://www.geolam.com)

Technical information may change without warning.

**Standard length:** 9 ft 10 in | 3.0 m

**On order any length from:** 7 ft to 27 ft | 2.15 m to 8.25 m

**Weight:** 2.51 lb/ft | 3.74 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 13.24

**Secondary moment Iy (cm<sup>4</sup>):** 701.27

**Section modulus Z+x (cm<sup>3</sup>):** 10.25

**Section modulus Z-x (cm<sup>3</sup>):** 9.40

**Section modulus Z+y (cm<sup>3</sup>):** 48.87

**Section modulus Z-y (cm<sup>3</sup>):** 48.87

**Core in anodized aluminum alloy:** A6063S-T5 Serie 6000

**Coefficient of Thermal Expansion (20-100°C):**

23.4 µm/m/°C

**Modulus of Elasticity:** 68.9 GPa

**Max Tensile Strength:** 186 Mpa

## Carbon Footprint:

**WPC :** 1.54 kg CO<sub>2</sub> /Kg WPC

**Alu :** 0.87 kg CO<sub>2</sub> /Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



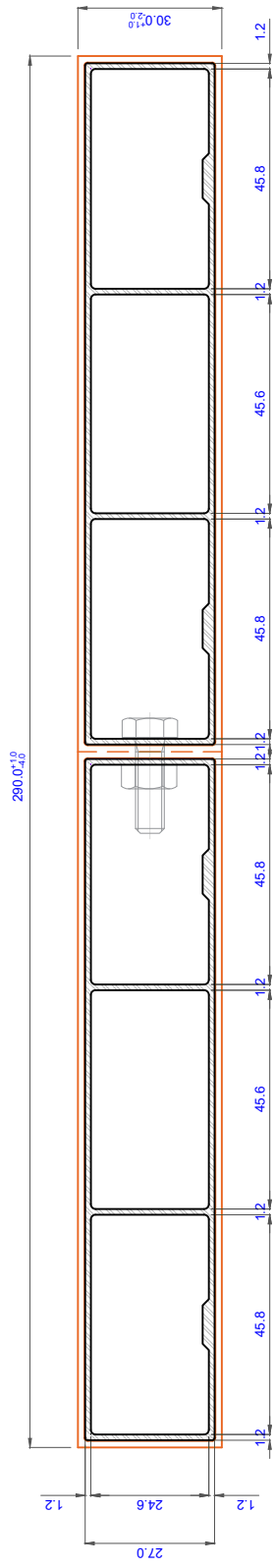
Carbon



Ivory



Any color on request



| Technical specifications, dimensions in mm            |        |  | Wood hybrid system WHS |                                                  | Type 1.0 |
|-------------------------------------------------------|--------|--|------------------------|--------------------------------------------------|----------|
| Weight (lbs/ft)                                       | 2.51   |  | Planeo 4123            |                                                  |          |
| Cross section, secondary moment Ix (cm <sup>4</sup> ) | 13.24  |  |                        |                                                  |          |
| Cross section, secondary moment Iy (cm <sup>4</sup> ) | 701.27 |  |                        |                                                  |          |
|                                                       |        |  | 10.25                  |                                                  |          |
|                                                       |        |  |                        | Cross section coefficient Z+x (cm <sup>3</sup> ) | 9.40     |
|                                                       |        |  |                        | Cross section coefficient Z-x (cm <sup>3</sup> ) | 48.87    |
|                                                       |        |  |                        | Cross section coefficient Z+y (cm <sup>3</sup> ) | 48.87    |
|                                                       |        |  |                        | Cross section coefficient Z-y (cm <sup>3</sup> ) | 48.87    |