

# Planeo 4160



**23 <sup>1</sup>/<sub>2</sub> in x 2 in or 600 mm x 50 mm**

Technical datasheet



# Planeo 4160

WHS: Wood hybrid system

# Geolam®

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:** 6.15 lb/ft | 9.15 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 101.46

**Secondary moment Iy (cm<sup>4</sup>):** 7938.15

**Section modulus Z+x (cm<sup>3</sup>):** 43.18

**Section modulus Z-x (cm<sup>3</sup>):** 4318

**Section modulus Z+y (cm<sup>3</sup>):** 265.93

**Section modulus Z-y (cm<sup>3</sup>):** 265.93

**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



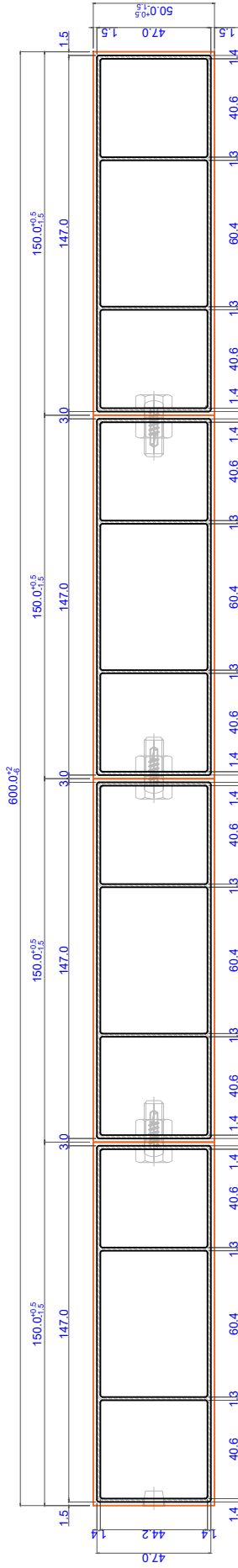
Carbon



Ivory



Any color on request



**Technical specifications, dimensions in mm**

|   |         |  |        |                        |          |
|---|---------|--|--------|------------------------|----------|
| Weight (lb/ft)  | 6.15    | Cross section coefficient Z+x (cm <sup>3</sup> ) | 43.18  | Wood hybrid system WHS | Type 1.0 |
| Cross section, secondary moment Ix (cm <sup>4</sup> ) | 101.46  | Cross section coefficient Z-x (cm <sup>3</sup> ) | 43.18  | <b>Planeo 4260</b>     |          |
| Cross section, secondary moment Iy (cm <sup>4</sup> ) | 7938.15 | Cross section coefficient Z+y (cm <sup>3</sup> ) | 265.93 |                        |          |
|   |         | Cross section coefficient Z-y (cm <sup>3</sup> ) | 265.93 |                        |          |