



# Soleo 6044



**9 <sup>3</sup>/<sub>4</sub> in x 2 <sup>1</sup>/<sub>4</sub> in or 250 mm x 60 mm**

Technical datasheet

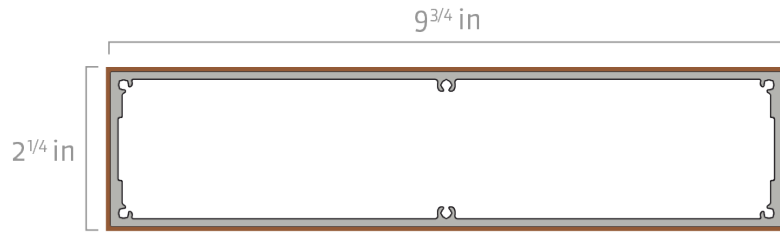


# Soleo 6044

WHS: Wood hybrid system



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:** Check 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 19 ft 8 in | 2.15 m to 6 m

**Weight:** 4.13 lb/ft | 6.15 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 120.05

**Secondary moment Iy (cm<sup>4</sup>):** 1341.85

**Section modulus Z+x (cm<sup>3</sup>):** 42.12

**Section modulus Z-x (cm<sup>3</sup>):** 42.12

**Section modulus Z+y (cm<sup>3</sup>):** 108.65

**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

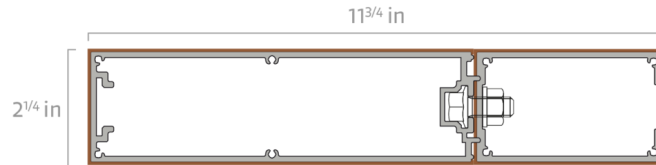
**Planeo 4084** ( )

 Secondary moment  $I_x$  (cm<sup>4</sup>): : 148.77

 Secondary moment  $I_y$  (cm<sup>4</sup>): : 2314.97

Weight: : 5.73 lb/ft | 8.53 kg/m

 Section modulus  $Z+x$  (cm<sup>3</sup>): : 52.06

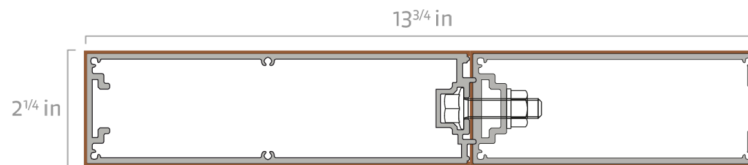
 Section modulus  $Z+y$  (cm<sup>3</sup>): : 162.17

**Planeo 4085** ( )

 Secondary moment  $I_x$  (cm<sup>4</sup>): : 171.7

 Secondary moment  $I_y$  (cm<sup>4</sup>): : 3390.1

Weight: : 6.68 lb/ft | 9.94 kg/m

 Section modulus  $Z+x$  (cm<sup>3</sup>): : 60.36

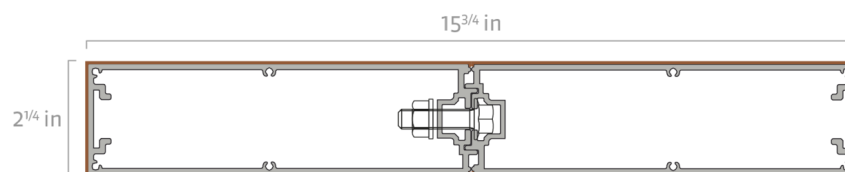
 Section modulus  $Z+y$  (cm<sup>3</sup>): : 191.86

**Planeo 4086** ( )

 Secondary moment  $I_x$  (cm<sup>4</sup>): : 194.56

 Secondary moment  $I_y$  (cm<sup>4</sup>): : 4923.07

Weight: : 7.19 lb/ft | 10.76 kg/m

 Section modulus  $Z+x$  (cm<sup>3</sup>): : 68.27

 Section modulus  $Z+y$  (cm<sup>3</sup>): : 248.01


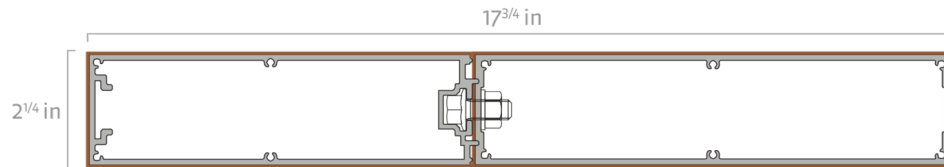
**Planeo 4087** ( )

 Secondary moment Ix (cm<sup>4</sup>): : 214.44

 Secondary moment Iy (cm<sup>4</sup>): : 6585.27

Weight: : 7.56 lb/ft | 11.25 kg/m

 Section modulus Z+x (cm<sup>3</sup>): : 75.1

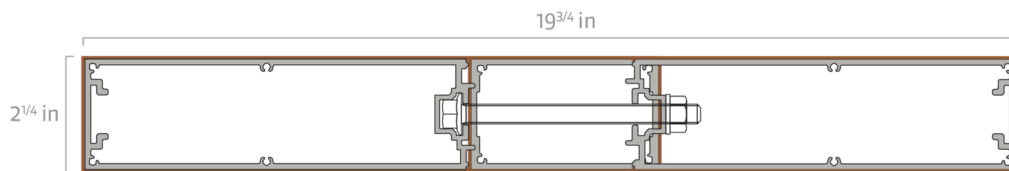
 Section modulus Z+y (cm<sup>3</sup>): : 287.1

**Planeo 4088** ( )

 Secondary moment Ix (cm<sup>4</sup>): : 245.35

 Secondary moment Iy (cm<sup>4</sup>): : 9217.43

Weight: : 9.35 lb/ft | 13.91 kg/m

 Section modulus Z+x (cm<sup>3</sup>): : 86.09

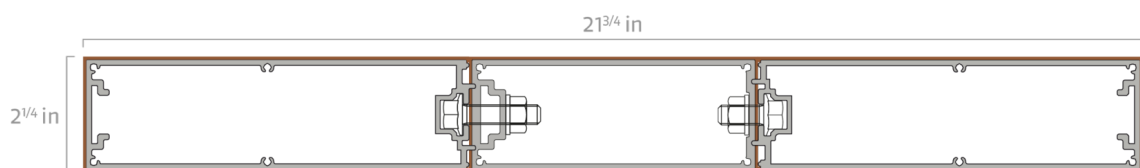
 Section modulus Z+y (cm<sup>3</sup>): : 370.92

**Planeo 4089** ( )

 Secondary moment Ix (cm<sup>4</sup>): : 267.7

 Secondary moment Iy (cm<sup>4</sup>): : 12209.39

Weight: : 10.29 lb/ft | 15.31 kg/m

 Section modulus Z+x (cm<sup>3</sup>): : 93.93

 Section modulus Z+y (cm<sup>3</sup>): : 450.2


**Planeo 4090** ( )

Secondary moment I<sub>x</sub> (cm<sup>4</sup>): : 285.85

Secondary moment I<sub>y</sub> (cm<sup>4</sup>): : 14271.67

Weight: : 10.62 lb/ft | 15.86 kg/m

Section modulus Z<sub>+x</sub> (cm<sup>3</sup>): : 100.3

Section modulus Z<sub>+y</sub> (cm<sup>3</sup>): : 478.11

