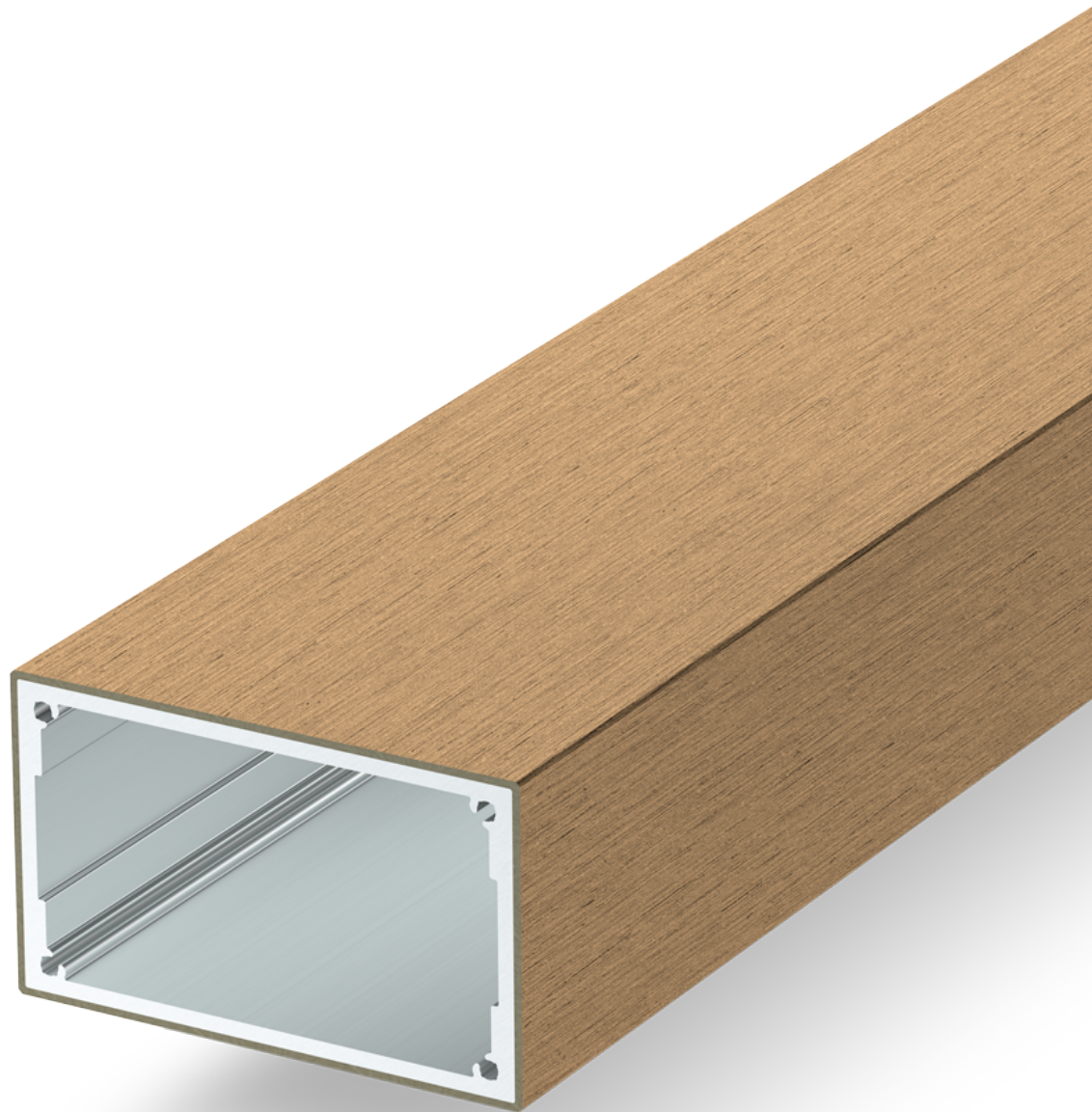




# Soleo 6041



**4 in x 2 <sup>1</sup>/<sub>4</sub> in or 100 mm x 60 mm**

Technical datasheet

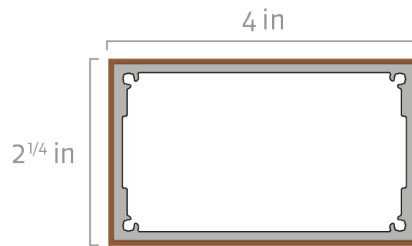


# Soleo 6041

WHS: Wood hybrid system

**Geolam**

Architectural Eco-Technology



Section tolerances in mm: +0.5 / -2.0 mm or +1/64 to -5/64 in

The outer wpc layer is sanded for aesthetic reasons and consists of peaks and valleys; the dimension provided is average thickness

## 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:** 2.12 lb/ft | 3.15 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 3.15 kg/m

**Secondary moment Iy (cm<sup>4</sup>):** 52.6

**Section modulus Z+x (cm<sup>3</sup>):** 131.4

**Section modulus Z-x (cm<sup>3</sup>):** 18.5

**Section modulus Z+y (cm<sup>3</sup>):** 18.5

**Section modulus Z-y (cm<sup>3</sup>):** 27.1

**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:**

981.11

## Norms and certificates:

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

**Profile :** 9.005 kg CO<sub>2</sub> /Kg



Teak



Limba



Rosewood



Wenge



Bilinga



Carbon



Ivory



Any color on request

## Planeo 4084 ()

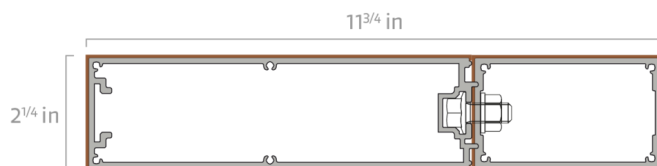
Secondary moment  $I_x$  (cm<sup>4</sup>): : 8.53 kg/m

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

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

Section modulus  $Z+x$  (cm<sup>3</sup>): : 2314.97

Section modulus  $Z+y$  (cm<sup>3</sup>): : 52.33



## Planeo 4085 ()

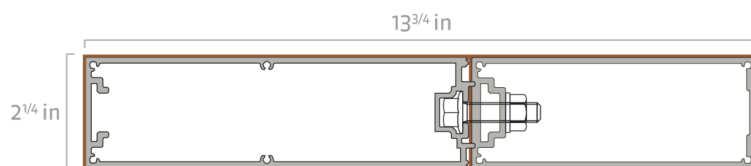
Secondary moment  $I_x$  (cm<sup>4</sup>): : 9.94 kg/m

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

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

Section modulus  $Z+x$  (cm<sup>3</sup>): : 3390.1

Section modulus  $Z+y$  (cm<sup>3</sup>): : 60.14



## Planeo 4086 ()

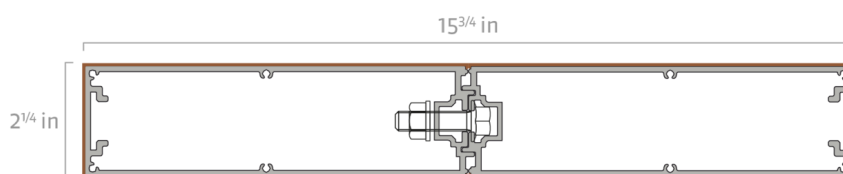
Secondary moment  $I_x$  (cm<sup>4</sup>): : 10.76 kg/m

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

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

Section modulus  $Z+x$  (cm<sup>3</sup>): : 4923.07

Section modulus  $Z+y$  (cm<sup>3</sup>): : 68.26



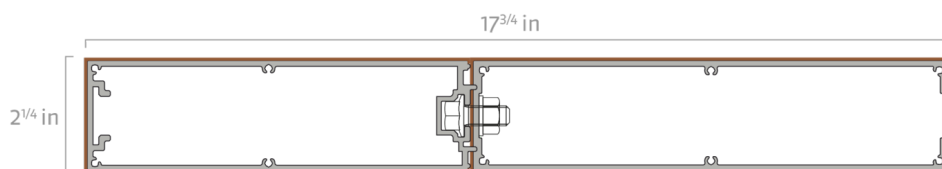
**Planeo 4087** ( )

 Secondary moment  $I_x$  (cm<sup>4</sup>): : 11.25 kg/m

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

Weight: : 7.53 lb/ft | 11.25 kg/m

 Section modulus  $Z+x$  (cm<sup>3</sup>): : 6585.27

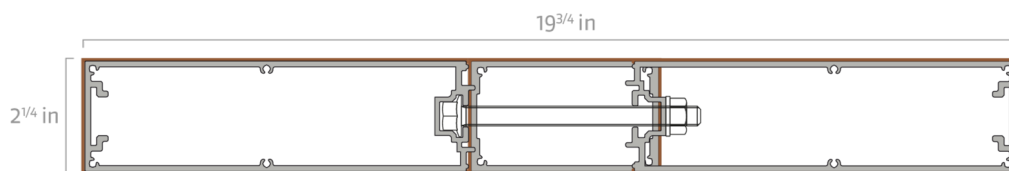
 Section modulus  $Z+y$  (cm<sup>3</sup>): : 75.39

**Planeo 4088** ( )

 Secondary moment  $I_x$  (cm<sup>4</sup>): : 13.91 kg/m

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

Weight: : 9.34 lb/ft | 13.91 kg/m

 Section modulus  $Z+x$  (cm<sup>3</sup>): : 9217.43

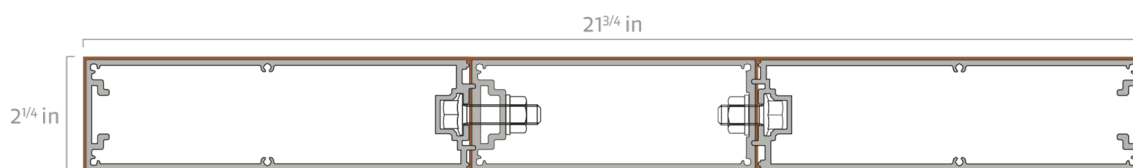
 Section modulus  $Z+y$  (cm<sup>3</sup>): : 86.09

**Planeo 4089** ( )

 Secondary moment  $I_x$  (cm<sup>4</sup>): : 15.31 kg/m

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

Weight: : 10.28 lb/ft | 15.31 kg/m

 Section modulus  $Z+x$  (cm<sup>3</sup>): : 12209.39

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


## Planeo 4090 ()

Secondary moment  $I_x$  (cm<sup>4</sup>): : 15.86 kg/m

Secondary moment  $I_y$  (cm<sup>4</sup>): : 285.85

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

Section modulus  $Z+x$  (cm<sup>3</sup>): : 14271.67

Section modulus  $Z+y$  (cm<sup>3</sup>): : 100.3

