

Soleo 6046



7 ³/₄ in x 2 ¹/₄ in or 200 mm x 60 mm

Technical datasheet

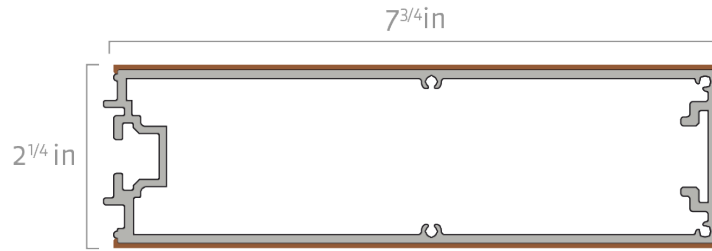


Soleo 6046

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

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: 3.62 lb/ft | 5.38 kg/m

Secondary moment Ix (cm⁴): 97.98

Secondary moment Iy (cm⁴): 842.07

Section modulus Z+x (cm³): 34.29

Section modulus Z-x (cm³): 34.47

Section modulus Z+y (cm³): 83.12

Section modulus Z-y (cm³): 83.71

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 CO₂ /Kg WPC

Alu : 0.87 kg CO₂ /Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



Carbon



Ivory



Any color on request

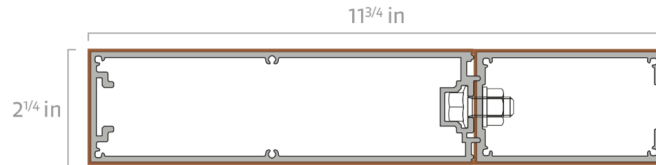
Planeo 4084 ()

 Secondary moment I_x (cm⁴): : 148.77

 Secondary moment I_y (cm⁴): : 2314.97

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

 Section modulus $Z+x$ (cm³): : 52.06

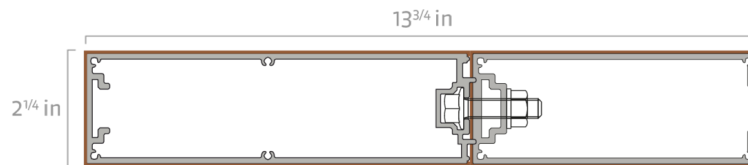
 Section modulus $Z+y$ (cm³): : 162.17

Planeo 4085 ()

 Secondary moment I_x (cm⁴): : 171.7

 Secondary moment I_y (cm⁴): : 3390.1

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

 Section modulus $Z+x$ (cm³): : 60.36

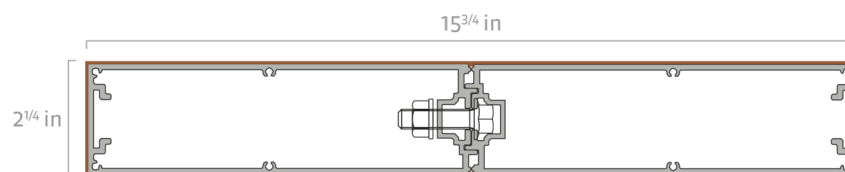
 Section modulus $Z+y$ (cm³): : 191.86

Planeo 4086 ()

 Secondary moment I_x (cm⁴): : 194.56

 Secondary moment I_y (cm⁴): : 4923.07

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

 Section modulus $Z+x$ (cm³): : 68.27

 Section modulus $Z+y$ (cm³): : 248.01


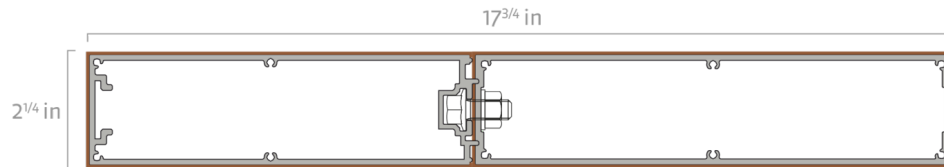
Planeo 4087 ()

 Secondary moment Ix (cm⁴): : 214.44

 Secondary moment Iy (cm⁴): : 6585.27

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

 Section modulus Z+x (cm³): : 75.1

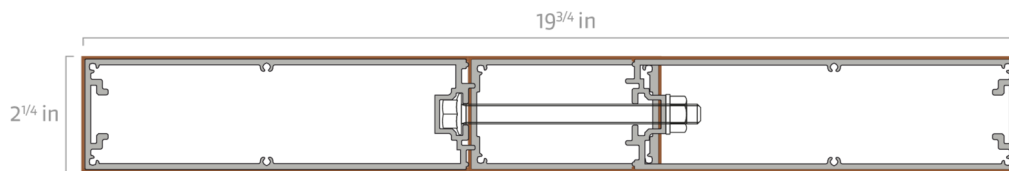
 Section modulus Z+y (cm³): : 287.1

Planeo 4088 ()

 Secondary moment Ix (cm⁴): : 245.35

 Secondary moment Iy (cm⁴): : 9217.43

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

 Section modulus Z+x (cm³): : 86.09

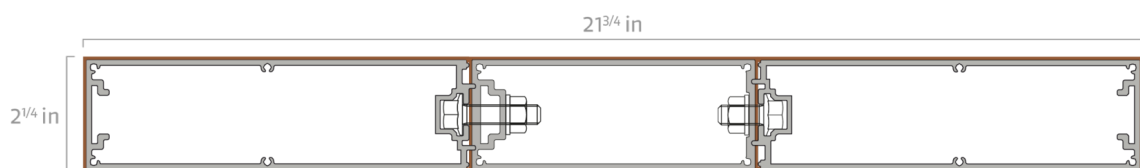
 Section modulus Z+y (cm³): : 370.92

Planeo 4089 ()

 Secondary moment Ix (cm⁴): : 267.7

 Secondary moment Iy (cm⁴): : 12209.39

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

 Section modulus Z+x (cm³): : 93.93

 Section modulus Z+y (cm³): : 450.2


Planeo 4090 ()

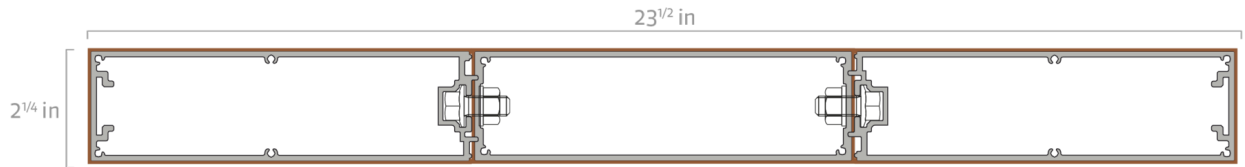
Secondary moment I_x (cm⁴): : 285.85

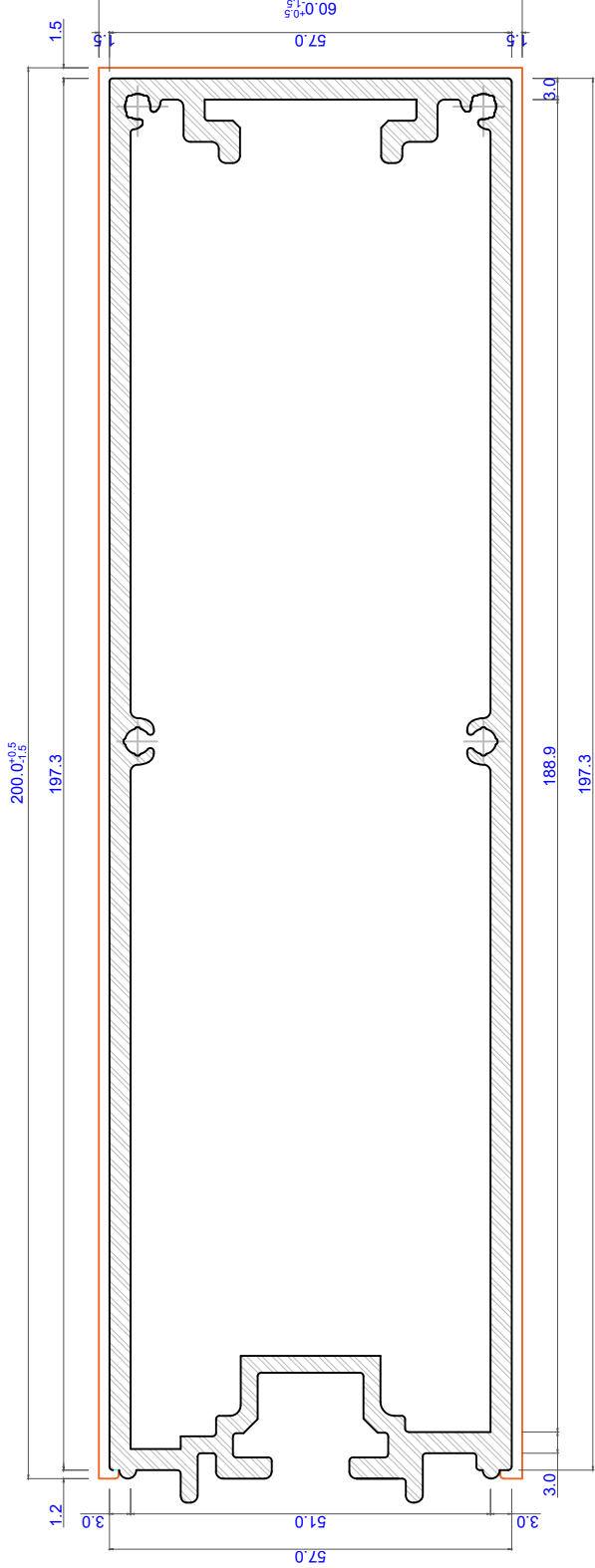
Secondary moment I_y (cm⁴): : 14271.67

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

Section modulus Z_{+x} (cm³): : 100.3

Section modulus Z_{+y} (cm³): : 478.11





Technical specifications, dimensions in mm		Wood hybrid system WHS		Type 1.0
Weight (lbs/ft)	3.61	34.29		Soleo 6046
Cross section, secondary moment Ix (cm ⁴)	97.98	34.47		
Cross section, secondary moment Iy (cm ⁴)	842.07	83.12		
		83.71		