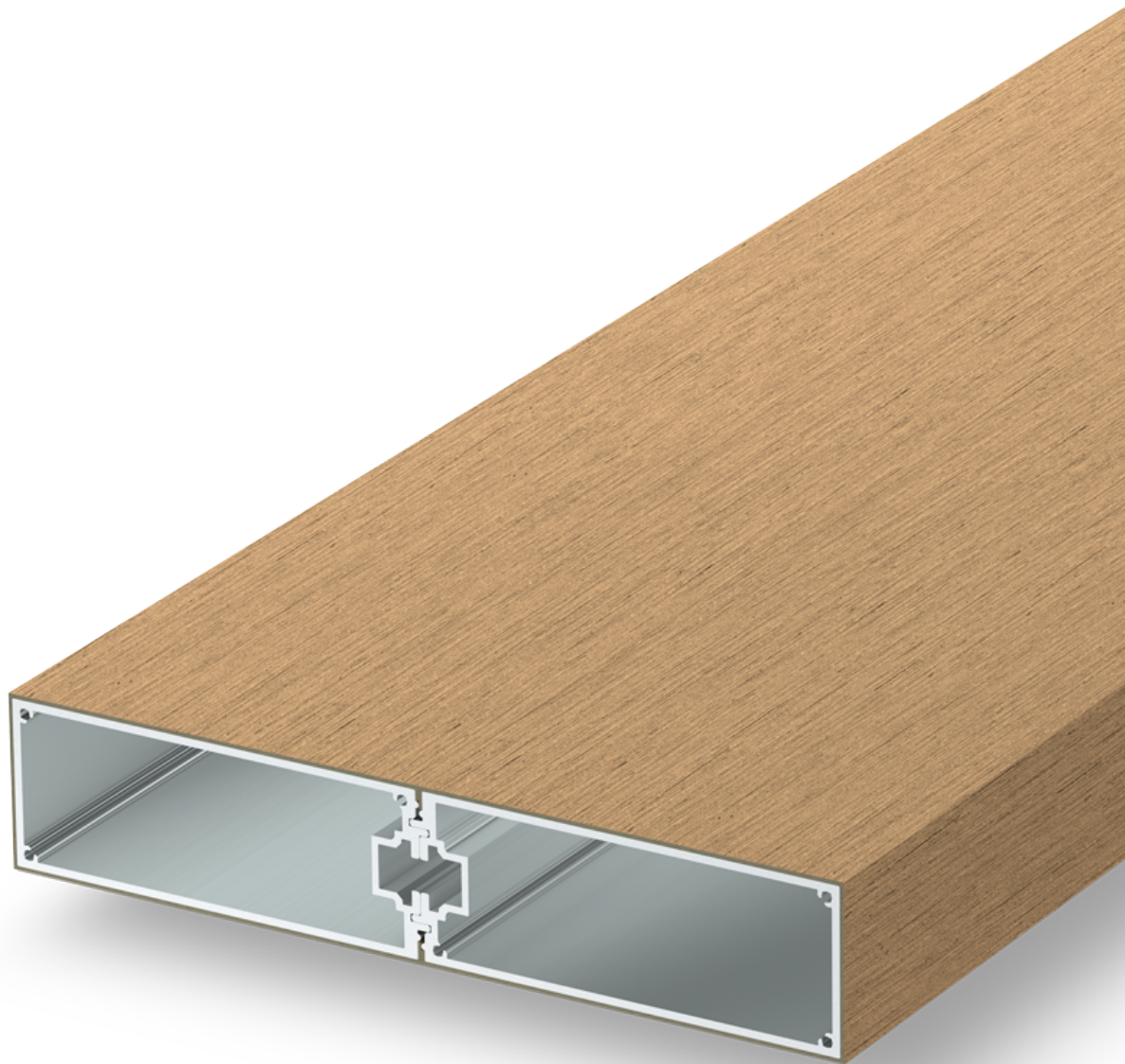




Planeo 4041



11 3/4 in x 2 1/4 in or 300 mm x 60 mm

Technical datasheet

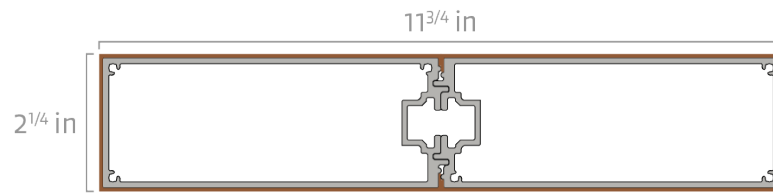


Planeo 4041

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

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: 5.32 lb/ft | 7.92 kg/m

Secondary moment I_x (cm⁴): 136.6

Secondary moment I_y (cm⁴): 1785.86

Section modulus Z_{+x} (cm³): 47.93

Section modulus Z_{-x} (cm³): 47.93

Section modulus Z_{+y} (cm³): 120.26

Section modulus Z_{-y} (cm³): 120.26

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

Profile : 9.005 kg CO₂/Kg



Teak



Limba



Rosewood



Wenge



Bilinga



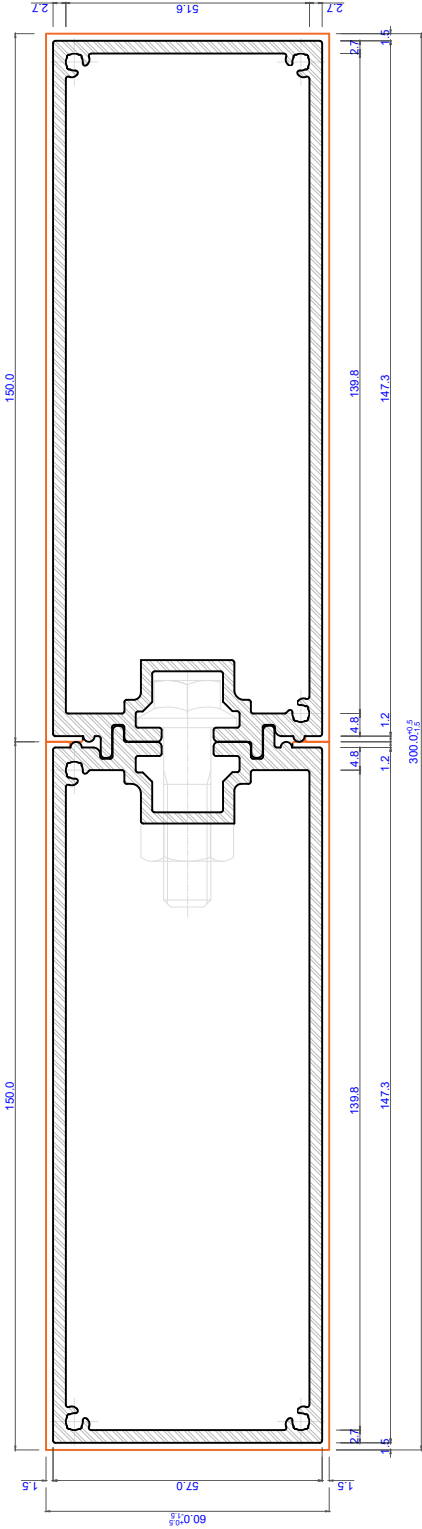
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS		Type 1.0
Weight (lbs/ft)	5.32		Planeo 4041		
Cross section, secondary moment Ix (cm ⁴)	136.60				
Cross section, secondary moment Iy (cm ⁴)	1785.86				
Cross section coefficient Z+x (cm ³)			47.93		
Cross section coefficient Z-x (cm ³)			47.93		
Cross section coefficient Z+y (cm ³)			120.26		
Cross section coefficient Z-y (cm ³)			120.26		