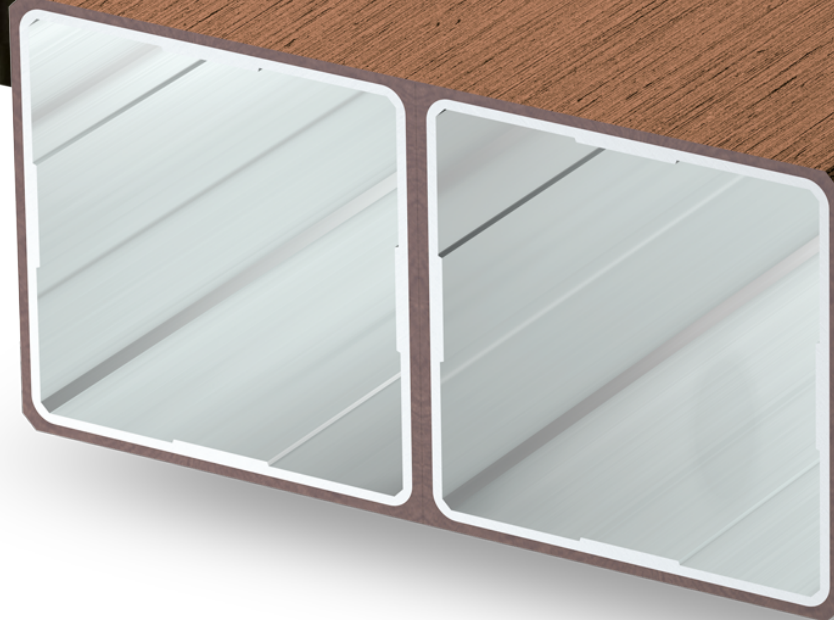




Planeo 4044



6 ³/₄ in x 3 ¹/₂ in or 174 mm x 87 mm

Technical datasheet

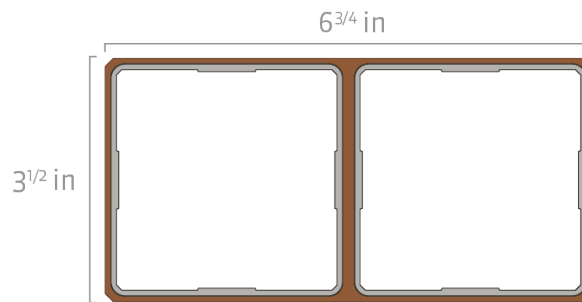


Planeo 4044

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:

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: 3.04 lb/ft | 4.52 kg/m

Secondary moment I_x (cm⁴): 4.52 kg/m

Secondary moment I_y (cm⁴): 131.9

Section modulus Z_{+x} (cm³): 358.8

Section modulus Z_{-x} (cm³): 31.55

Section modulus Z_{+y} (cm³): 31.55

Section modulus Z_{-y} (cm³): 42.31

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:

1227.19

Norms and certificates:

WPC : 1.54 kg CO₂ /Kg

Profile : 9.005 kg CO₂ /Kg



Teak



Rosewood



Bilinga



Ivory



Limba



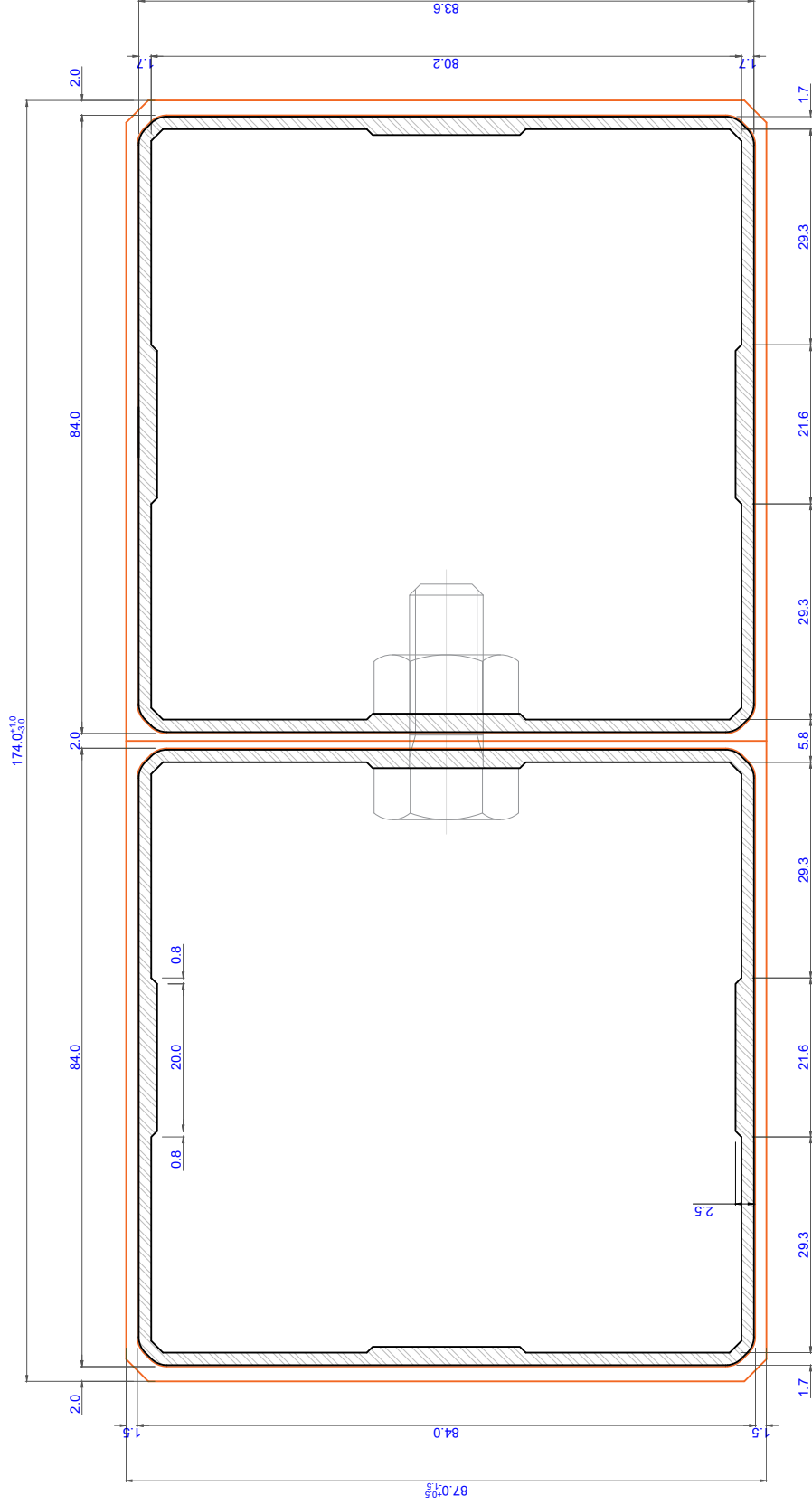
Wenge



Carbon



Any color on request



Technical specifications, dimensions in mm		Wood hybrid system WHS		Type 1.0
Weight (kg/ml)	4.52	Planeo 4044		
Cross section, secondary moment I _x (cm ⁴)	131.90			
Cross section, secondary moment I _y (cm ⁴)	358.80			
Cross section coefficient Z+x (cm ³)		31.55	Planeo 4044	
Cross section coefficient Z-x (cm ³)		31.55		
Cross section coefficient Z+y (cm ³)		42.31		
Cross section coefficient Z-y (cm ³)		42.31	Geolam www.geolam.com	