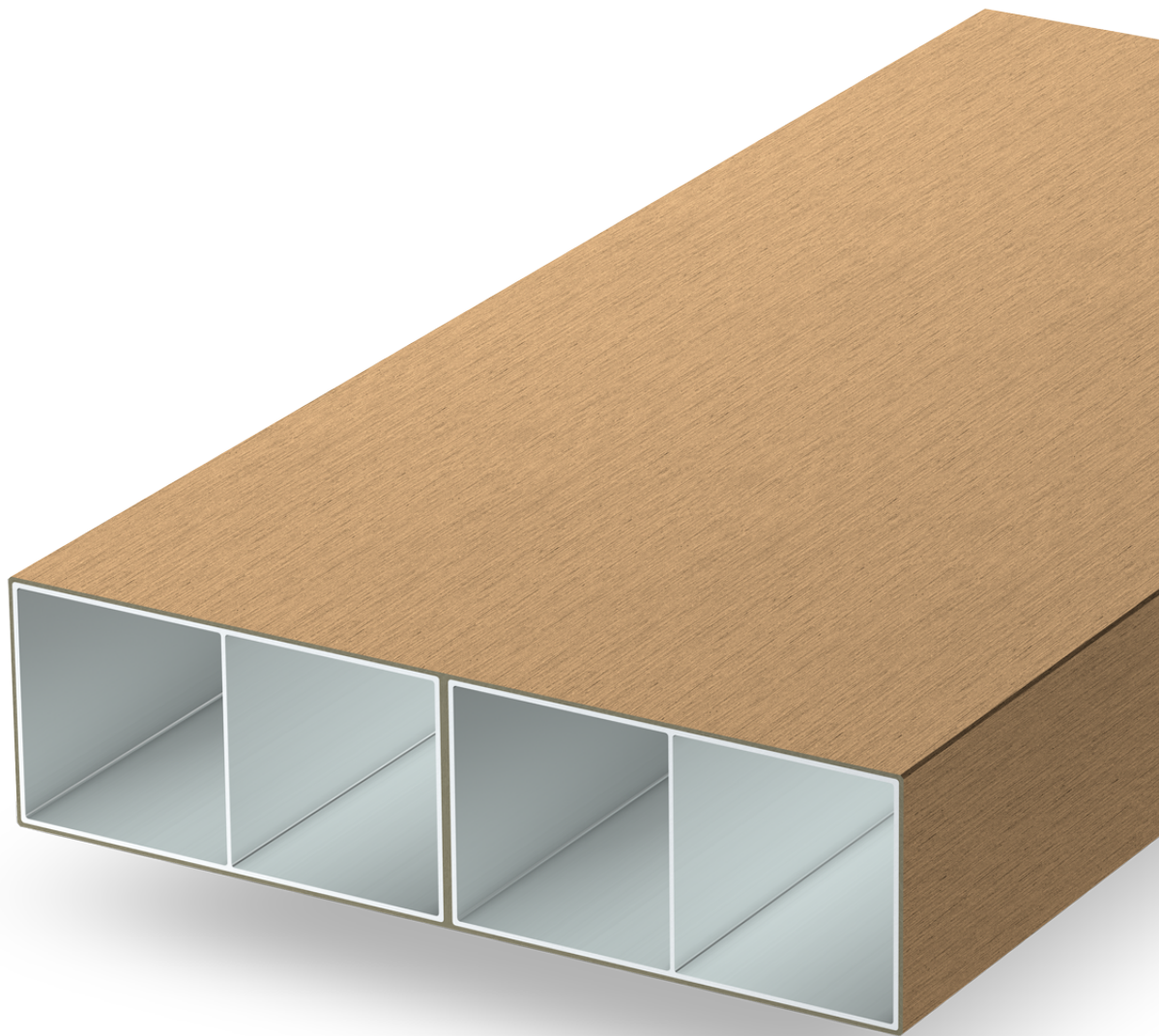




Planeo 4049



11 3/4 in x 3 1/4 in or 300 mm x 80 mm

Technical datasheet

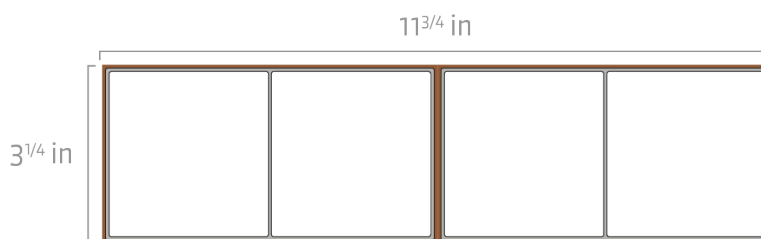


Planeo 4049

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: 3.92 lb/ft | 5.84 kg/m

Secondary moment Ix (cm⁴): 5.84 kg/m

Secondary moment Iy (cm⁴): 164.76

Section modulus Z+x (cm³): 1331.1

Section modulus Z-x (cm³): 42.79

Section modulus Z+y (cm³): 42.79

Section modulus Z-y (cm³): 89.63

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:

1621.5

Norms and certificates:

WPC : 1.54 kg CO₂ /Kg

Profile : 9.005 kg CO₂ /Kg



Teak



Limba



Rosewood



Wenge



Bilinga



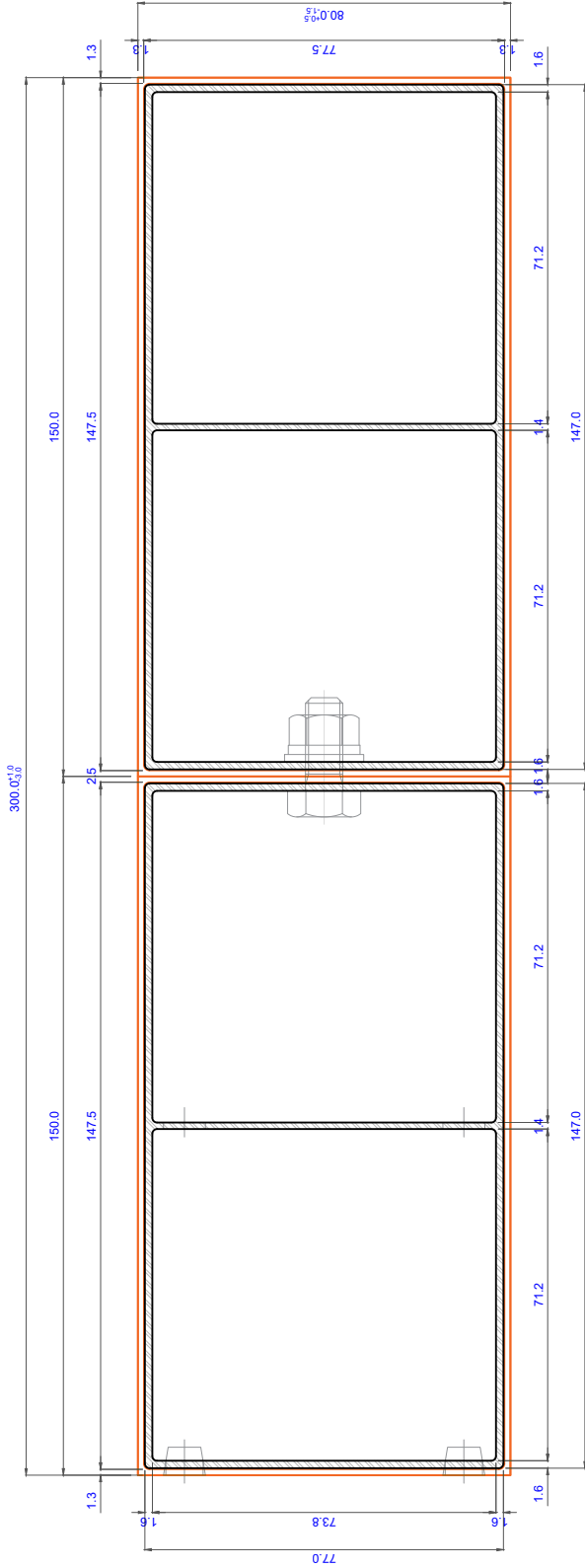
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS	Type 1.0
Weight (kg/ml)	5.84		42.79	Planeo 4049
Cross section, secondary moment Ix (cm ⁴)	164.76		89.63	
Cross section, secondary moment Iy (cm ⁴)	1331.10		89.63	