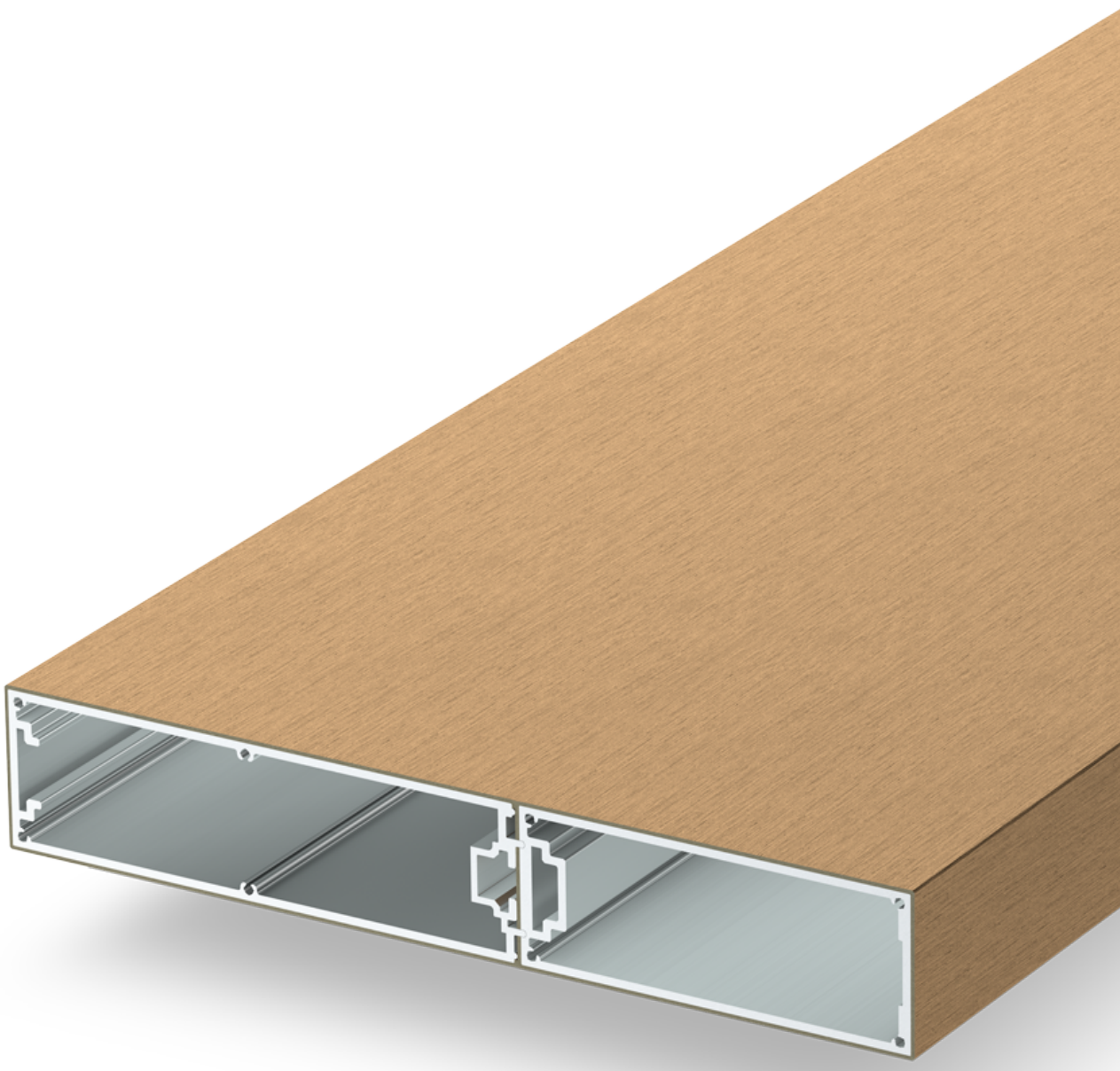
Geolam®
Architectural Eco-Technology



Planeo 4085

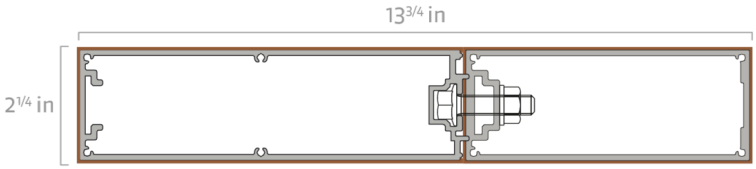
13 3/4 in x 2 1/4 in or 350 mm x 60 mm

Technical datasheet

Planeo 4085

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:
<u>On request:</u>
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: 6.68 lb/ft | 9.94 kg/m

Secondary moment Ix (cm^4): 171.7

Secondary moment Iy (cm^4): 3390.1

Section modulus Z+x (cm^3): 60.36

Section modulus Z-x (cm^3): 60.14

Section modulus Z+y (cm^3): 191.86

Section modulus Z-y (cm^3): 199.06

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 CO_2 /Kg


Teak


Limba


Rosewood

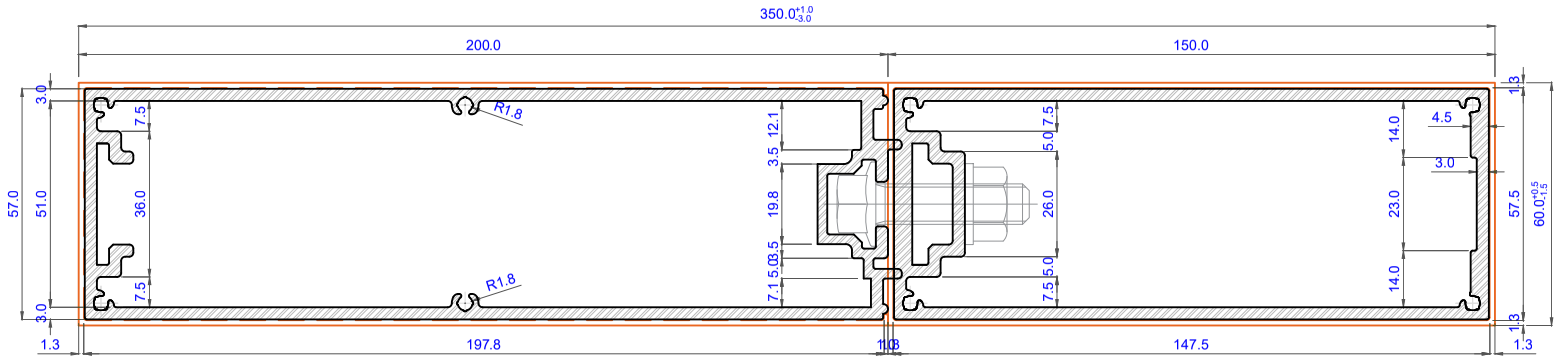

Wenge


Bilinga


Carbon


Ivory


Any color on request



Technical specifications, dimensions in mm		Cross section coefficient Z+x (cm^3)	60.36	Wood hybrid system WHS	Type 1.0
Weight (kg/ml)	9.94	Cross section coefficient Z-x (cm^3)	60.14	**Planeo 4085**	
Cross section, secondary moment Ix (cm^4)	171.71	Cross section coefficient Z+y (cm^3)	191.86		
Cross section, secondary moment Iy (cm^4)	3390.10	Cross section coefficient Z-y (cm^3)	199.06		

Geolam
www.geolam.com