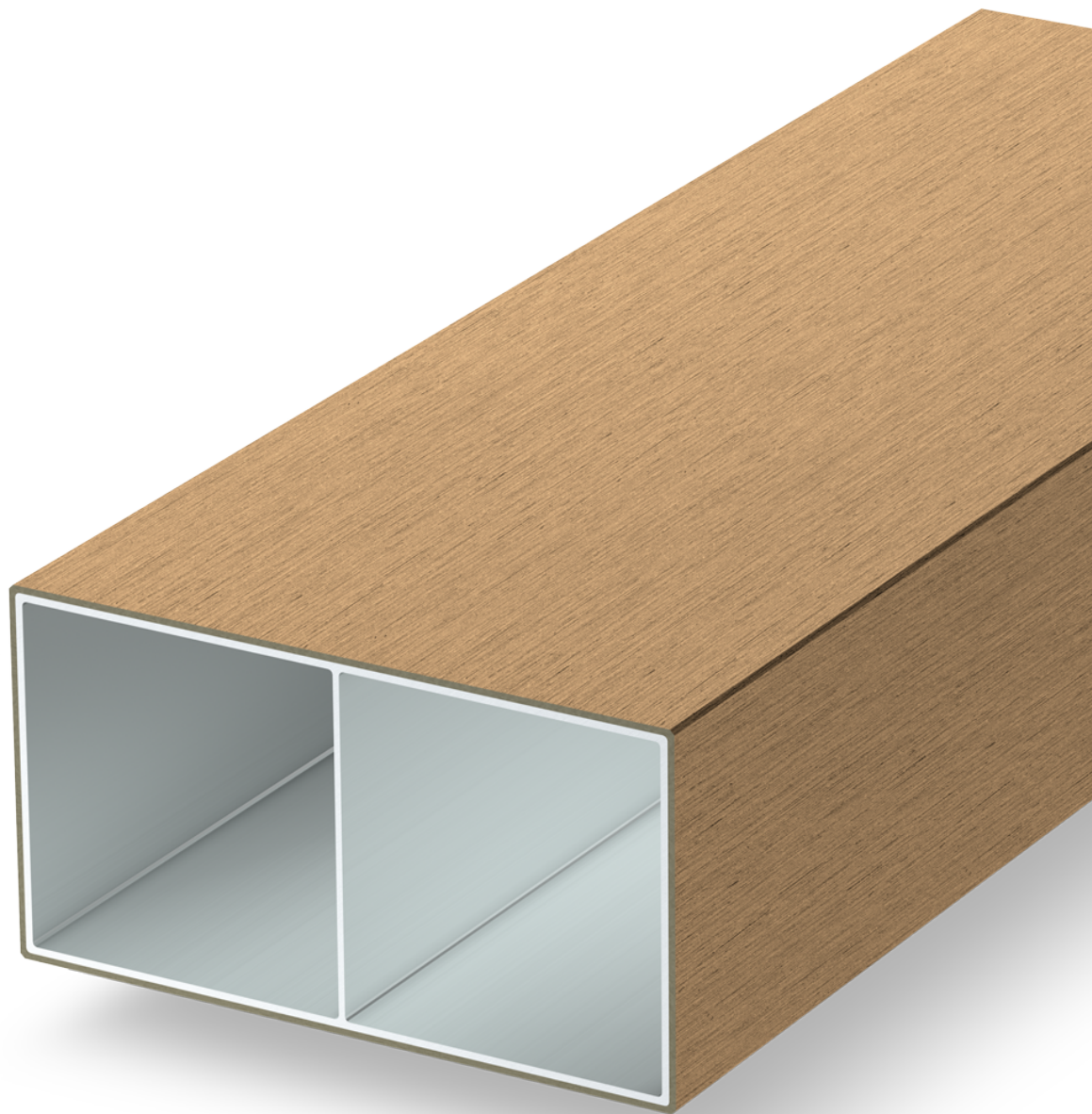




Soleo 6061



6 in x 3 ¹/₄ in or 150 mm x 80 mm

Technical datasheet

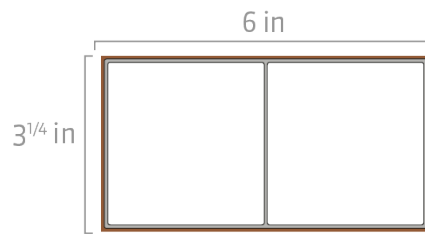


Soleo 6061

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:

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: 1.88 lb/ft | 2.80 kg/m

Secondary moment Ix (cm⁴): 2.80 kg/m

Secondary moment Iy (cm⁴): 82.4

Section modulus Z+x (cm³): 665.6

Section modulus Z-x (cm³): 21.4

Section modulus Z+y (cm³): 21.4

Section modulus Z-y (cm³): 44.8

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:

810.75

Norms and certificates:

WPC : 1.54 kg CO₂ /Kg

Profile : 9.005 kg CO₂ /Kg



Teak



Limba



Rosewood



Wenge



Bilonga



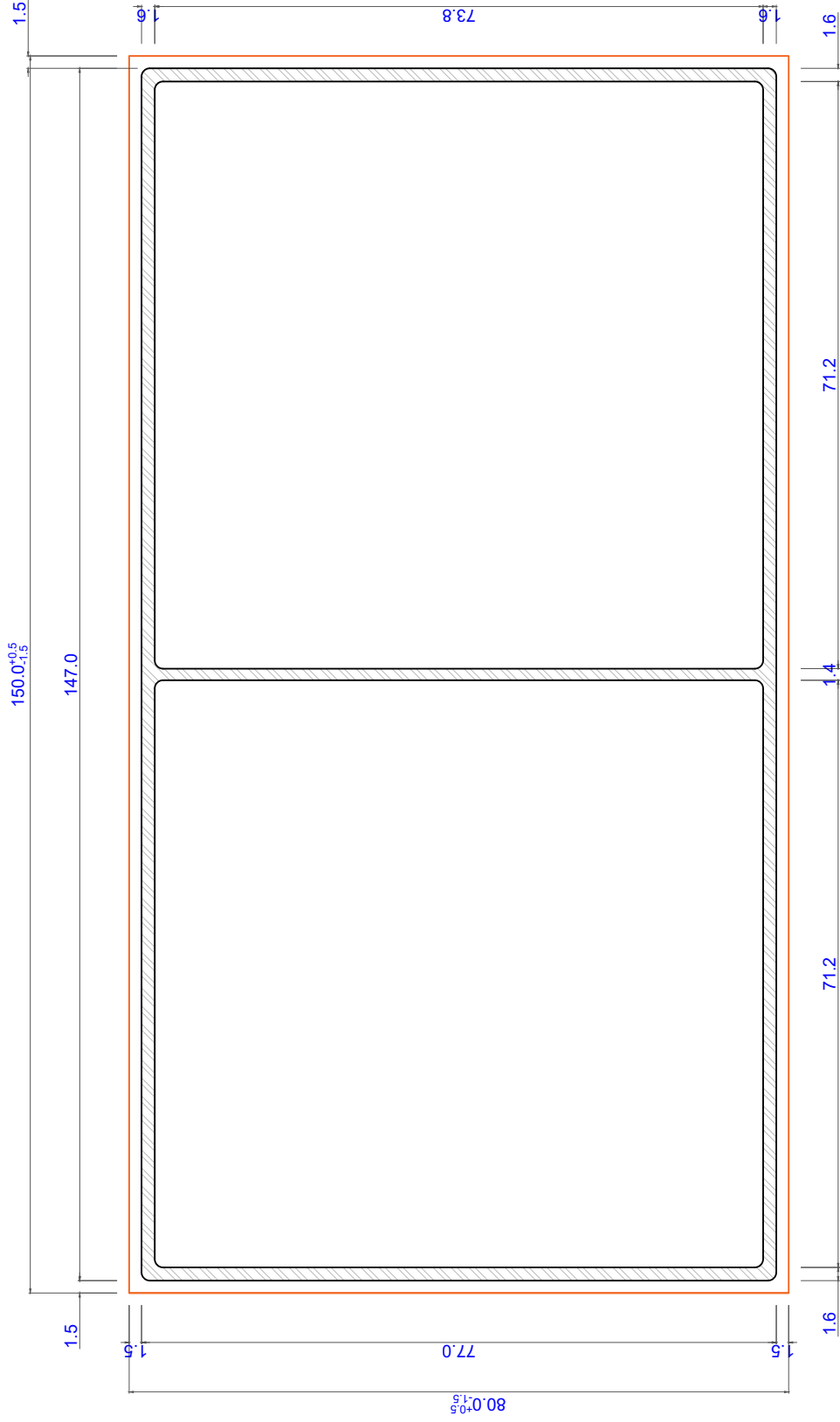
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS		Type 1.0
Weight (lbs/ft)	1.96	Cross section coefficient Z+x (cm ³)		21.40	Soleo 6061
Cross section, secondary moment Ix (cm ⁴)	82.38	Cross section coefficient Z-x (cm ³)		21.40	
Cross section, secondary moment Iy (cm ⁴)	209.51	Cross section coefficient Z+y (cm ³)		28.50	
		Cross section coefficient Z-y (cm ³)		28.50	