

Soleo 6050



6 in x 4 in or 150 mm x 100 mm

Technical datasheet

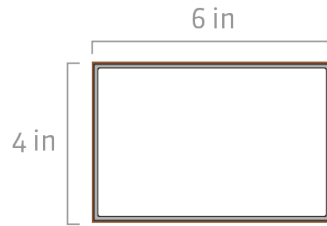


Soleo 6050

WHS: Wood hybrid system



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: 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: 2.62 lb/ft | 3.90 kg/m

Secondary moment Ix (cm⁴): 189.43

Secondary moment Iy (cm⁴): 358.85

Section modulus Z+x (cm³): 39.06

Section modulus Z-x (cm³): 39.06

Section modulus Z+y (cm³): 48.82

Section modulus Z-y (cm³): 48.82

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 WPC

Alu : 0.87 kg CO₂/Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



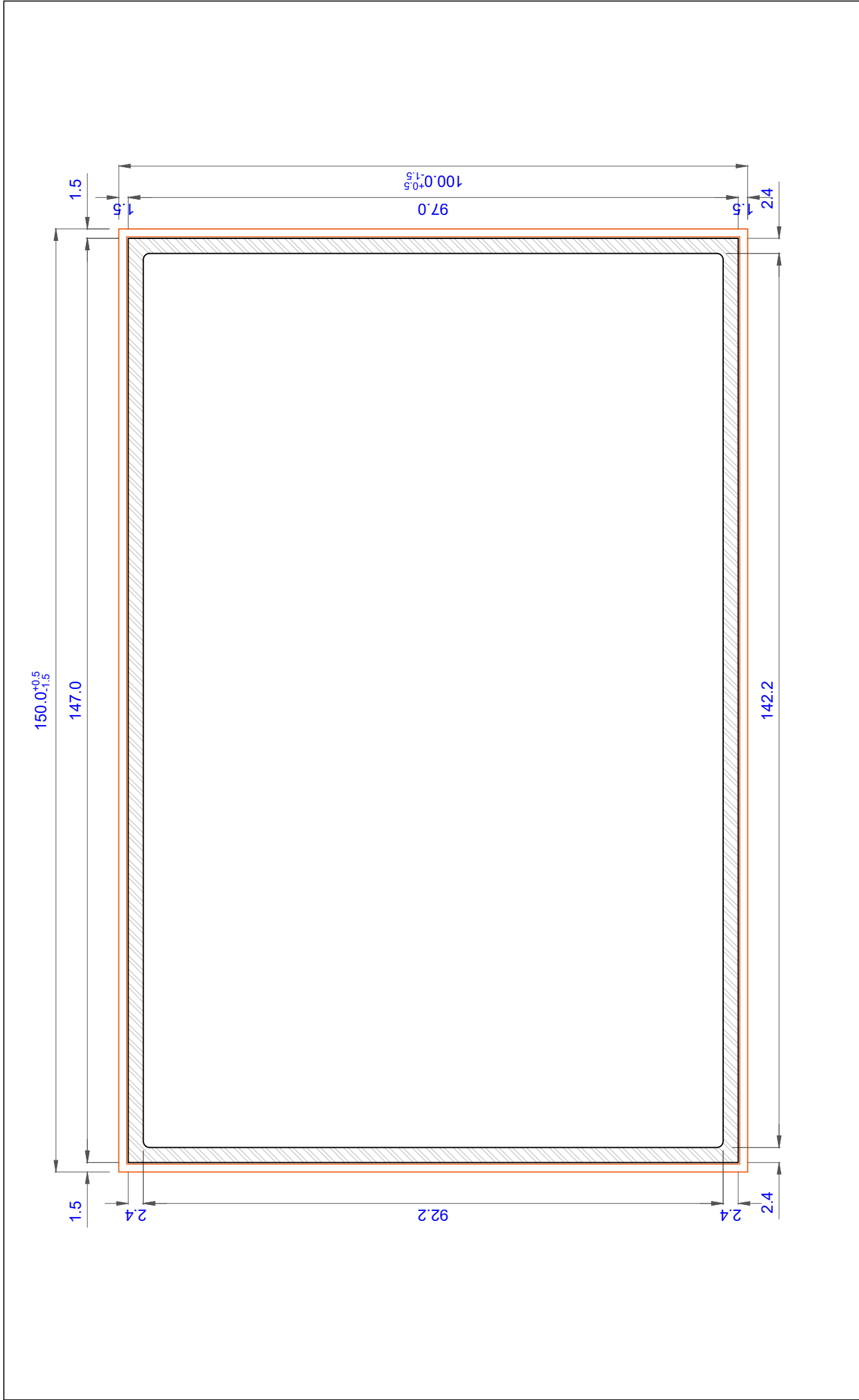
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm		Cross section coefficient Z+x (cm ³)	39.06	Wood hybrid system WHS	Type 1.0
Weight (kg/ml)	3.90	Cross section coefficient Z-x (cm ³)	39.06	Soleo 6050	
Cross section, secondary moment Ix (cm ⁴)	189.43	Cross section coefficient Z+y (cm ³)	48.82		
Cross section, secondary moment Iy (cm ⁴)	358.85	Cross section coefficient Z-y (cm ³)	48.82		