



Soleo 6009



4 in x 1 1/4 in or 100 mm x 30 mm

Technical datasheet

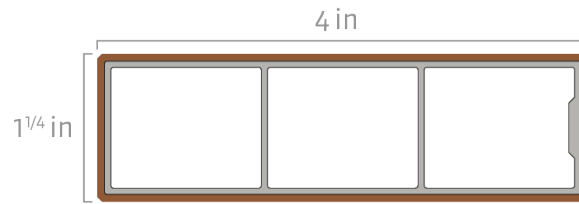


Soleo 6009

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:

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: 0.94 lb/ft | 1.40 kg/m

Secondary moment Ix (cm⁴): 4.82

Secondary moment Iy (cm⁴): 38.74

Section modulus Z+x (cm³): 3.57

Section modulus Z-x (cm³): 3.57

Section modulus Z+y (cm³): 8.26

Section modulus Z-y (cm³): 7.73

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



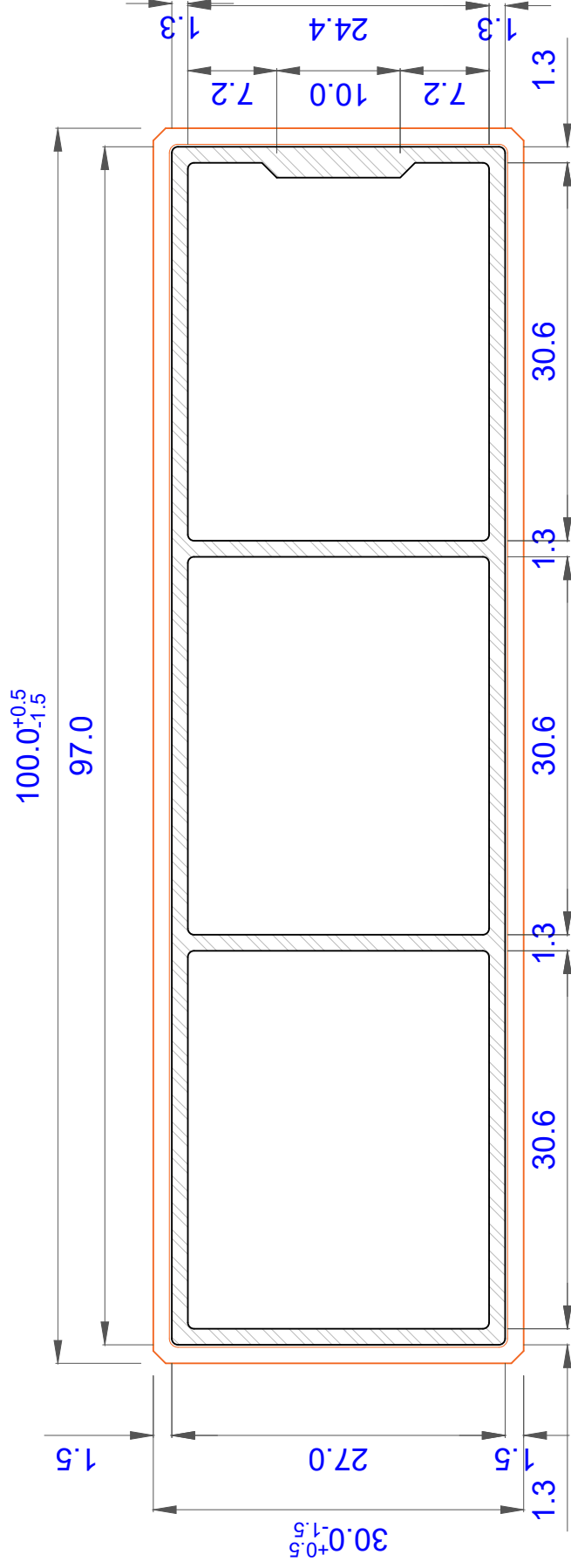
Carbon



Ivory



Any color on request



Spécifications techniques, cotes en mm		Bois hybride WHS		Type 1.0
Poids (kg/ml)	1.40	Soleo 6009		
Moment quadratique Ix (cm ⁴)	4.82			
Moment quadratique Iy (cm ⁴)	38.74			
		3.57	30.6	30.6
		3.57	1.3	1.3
		8.26	30.6	30.6
		7.73	1.3	1.3



Residence Building
Horizontal louver

France

2016

Soleo 6009 & 6027

Rosewood



Starbucks Restaurant
Sun shield

Fukuoka
Japan

2010

Soleo 6009

Rosewood