



Soleo 6131



5 in x 1 in or 125 mm x 26 mm

Technical datasheet

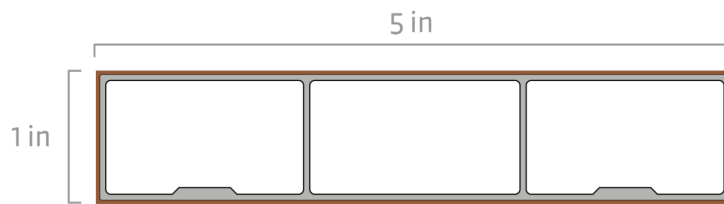


Soleo 6131

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:

NFP 92 -507 : M2

On request:

NFP 92 -507 : M1

ASTM E-84 class A

Euroclass NF EN 135011 : B, s3-d0

Euroclass NF EN 135011 : A2, s3-d0

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: 0.93 lb/ft | 1.39 kg/m

Secondary moment Ix (cm⁴): 4.77

Secondary moment Iy (cm⁴): 64.53

Section modulus Z+x (cm³): 3.68

Section modulus Z-x (cm³): 4.13

Section modulus Z+y (cm³): 10.49

Section modulus Z-y (cm³): 10.49

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 CO₂/Kg



Teak



Limba



Rosewood



Wenge



Bilinga



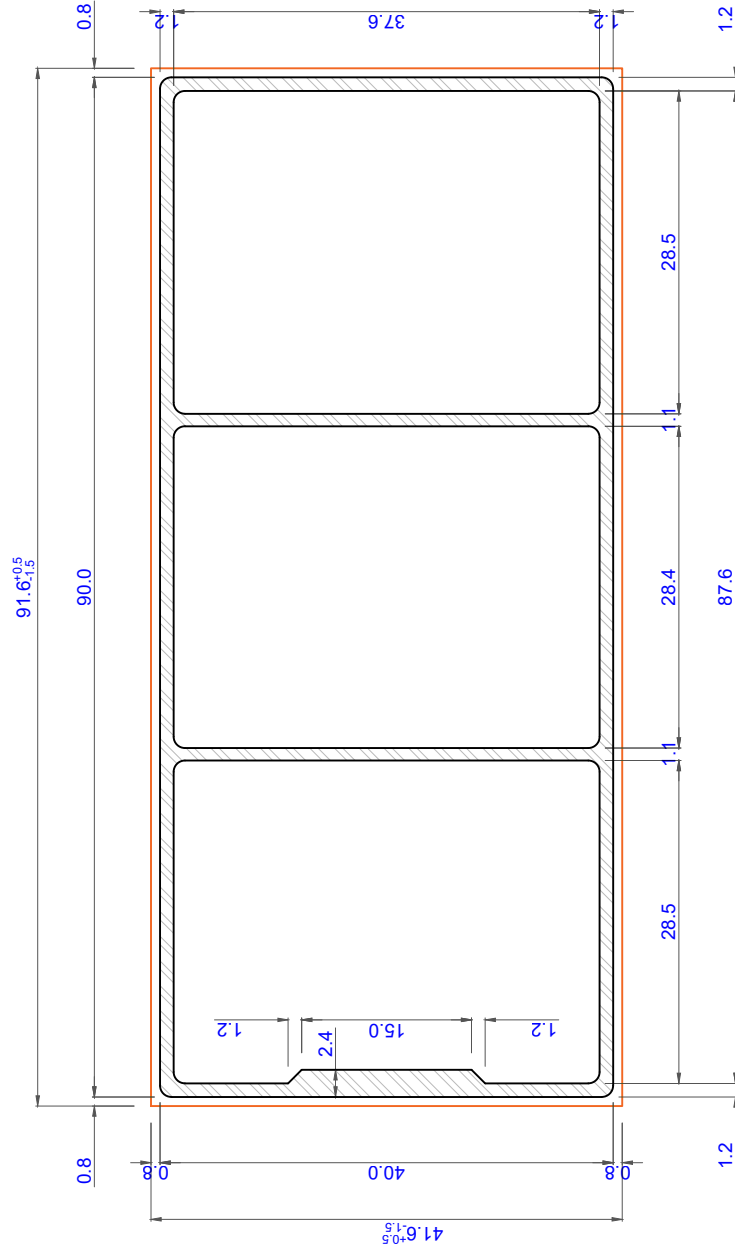
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS	Type 1.0
Weight (lbs/ft)	0.89		5.13	Soleo 6117
Cross section, secondary moment Ix (cm ⁴)	10.27		5.13	
Cross section, secondary moment Iy (cm ⁴)	37.66		8.77	
			8.00	

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