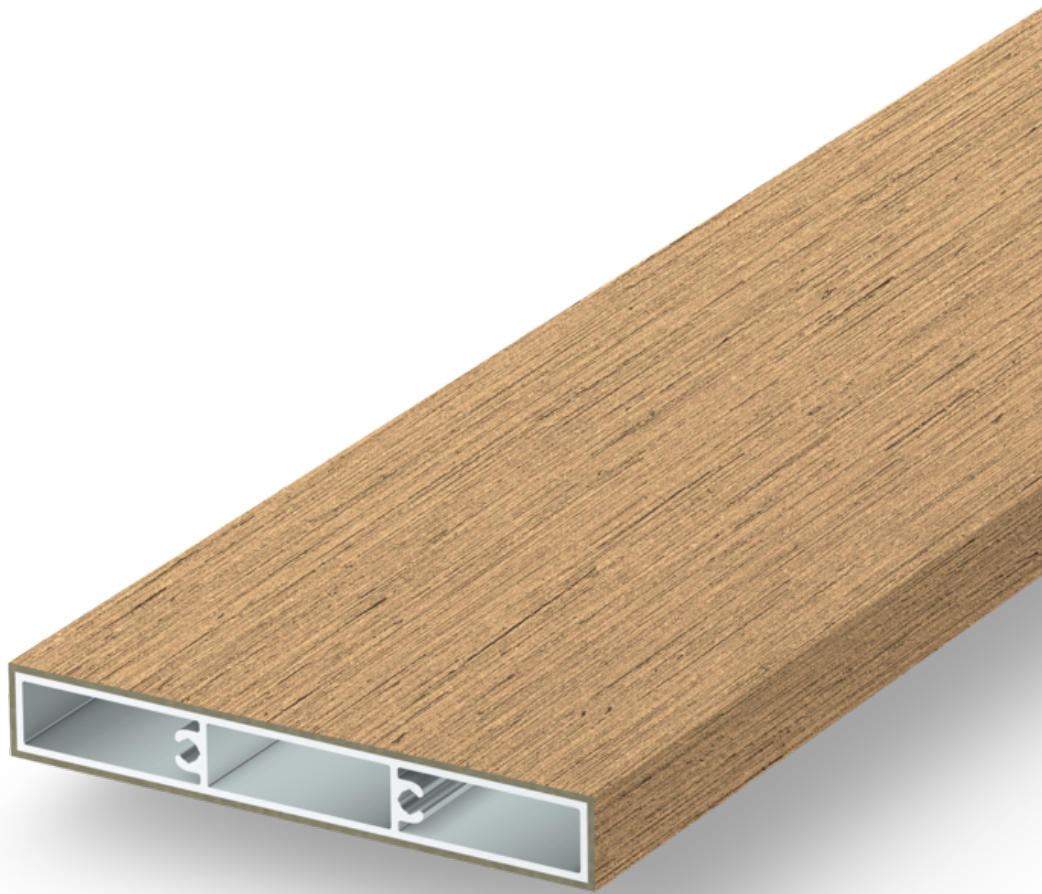




Soleo 6036



4 in x ¹/₂ in or 100 mm x 15 mm

Technical datasheet



Soleo 6036

WHS: Wood hybrid system

Geolam[®]

Architectural Eco-Technology



Section tolerances in mm: ± 2.0 mm or $\pm 3/32$ 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: 0.67 lb/ft | 1.00 kg/m

Secondary moment Ix (cm⁴): 0.82

Secondary moment Iy (cm⁴): 26.05

Section modulus Z+x (cm³): 1.31

Section modulus Z-x (cm³): 1.31

Section modulus Z+y (cm³): 5.34

Section modulus Z-y (cm³): 5.34

Core in anodized aluminum alloy: A6063S-T5 Serie 6000

Coefficient of Thermal Expansion (20-100°C):

23.4 $\mu\text{m}/\text{m}/^\circ\text{C}$

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



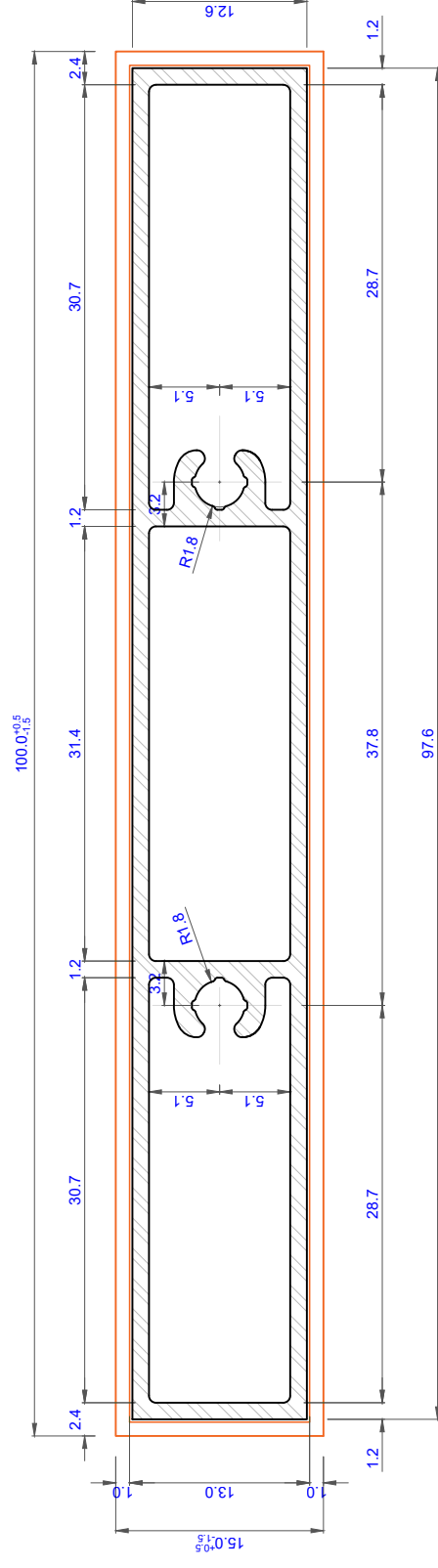
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Cross section coefficient Z+x (cm ³)	Wood hybrid system WHS	Type 1.0
Weight (kg/ml)			1.00	1.31	Soleo 6036
Cross section, secondary moment Ix (cm ⁴)			0.82	1.31	
Cross section, secondary moment Iy (cm ⁴)			26.05	5.34	
				5.34	