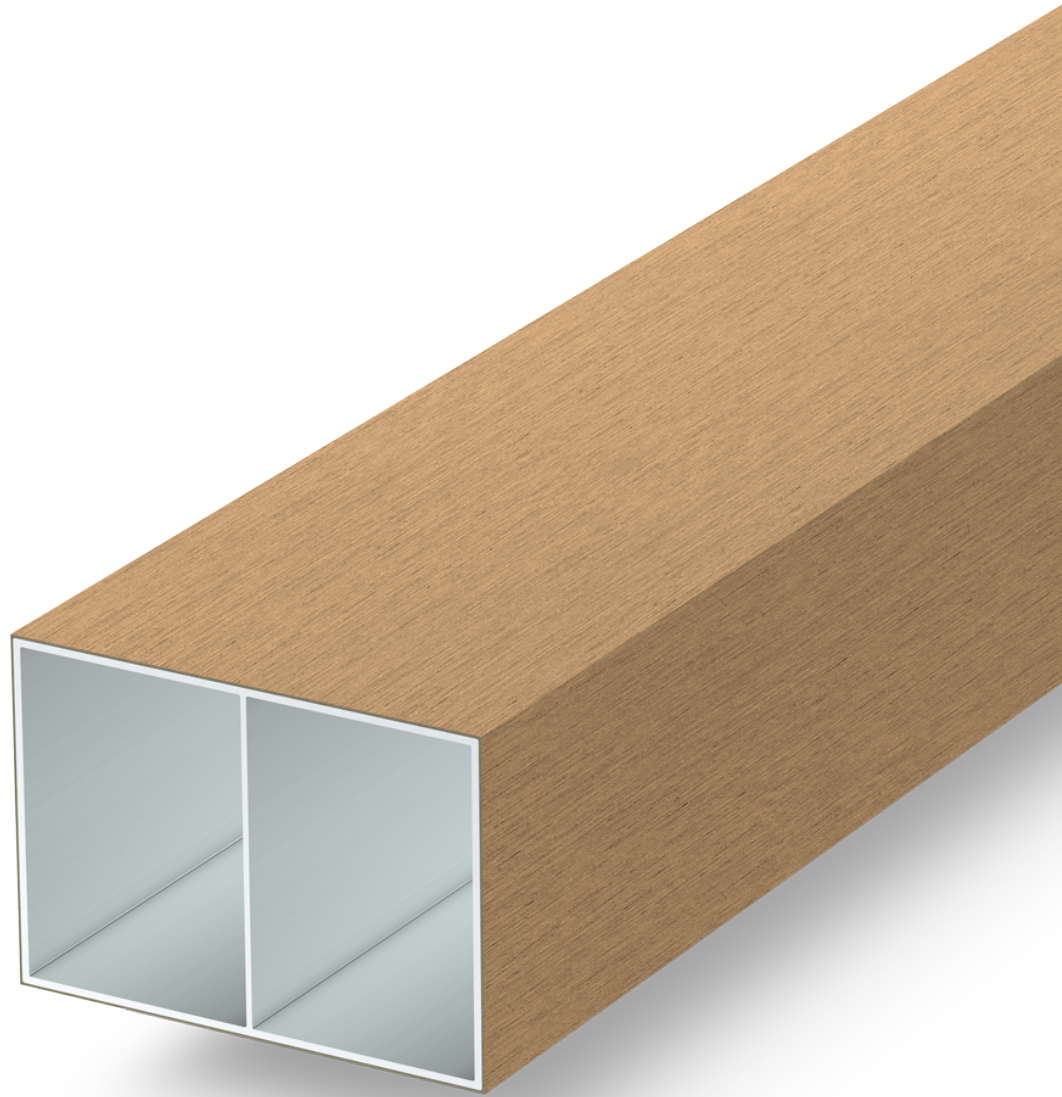




Soleo 6051



4 in x 2 ³/₄ in or 100 mm x 70 mm

Technical datasheet

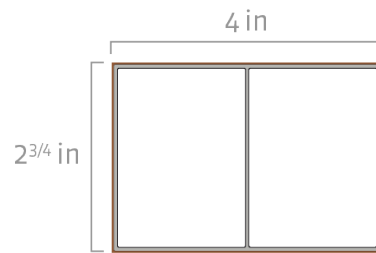


Soleo 6051

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: 1.18 lb/ft | 1.76 kg/m

Secondary moment Ix (cm⁴): 43.56

Secondary moment Iy (cm⁴): 70.83

Section modulus Z+x (cm³): 12.66

Section modulus Z-x (cm³): 12.66

Section modulus Z+y (cm³): 14.34

Section modulus Z-y (cm³): 14.34

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



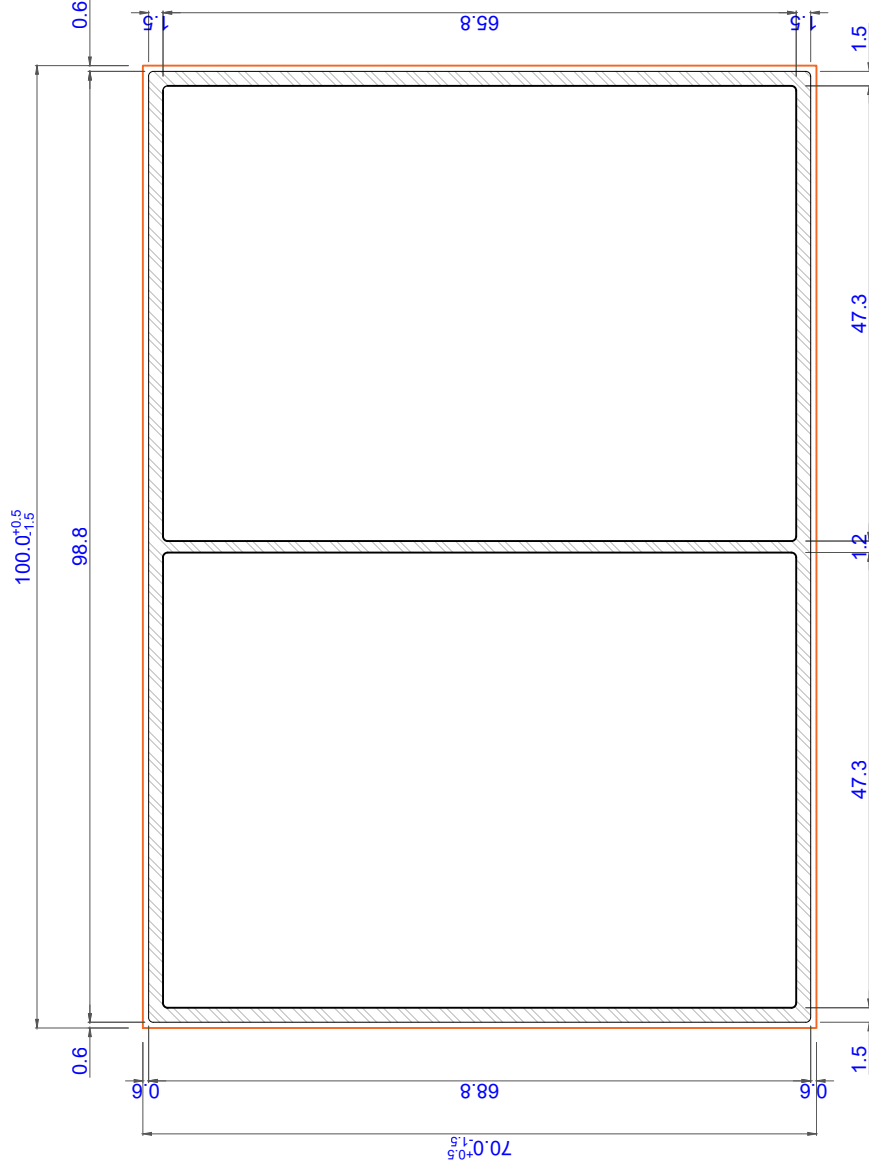
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS	Type 1.0
Weight (lb/ft)	1.18	Cross section coefficient Z+x (cm ³)	12.66	Soleo 6051
Cross section, secondary moment Ix (cm ⁴)	43.56	Cross section coefficient Z-x (cm ³)	12.66	
Cross section, secondary moment Iy (cm ⁴)	70.83	Cross section coefficient Z+y (cm ³)	14.34	
		Cross section coefficient Z-y (cm ³)	14.34	
			 www.geolam.com	