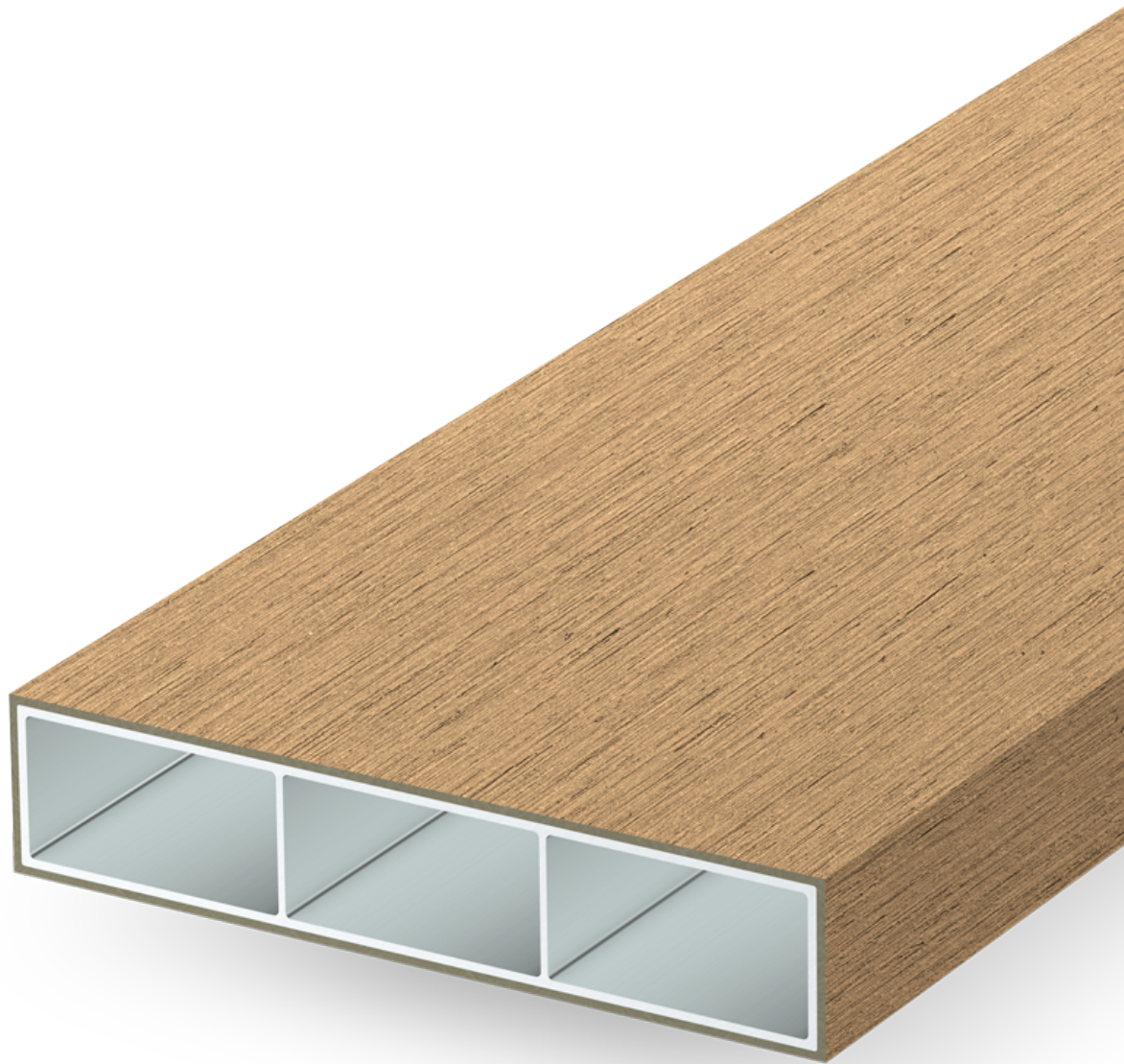




Soleo 6024



5 ³/₄ in x 1 ¹/₄ in or 145 mm x 30 mm

Technical datasheet

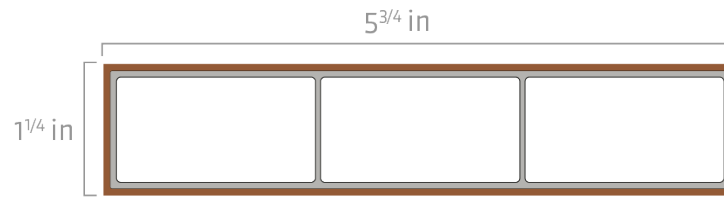


Soleo 6024

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: 1.38 lb/ft | 2.06 kg/m

Secondary moment I_x (cm⁴): 7.59

Secondary moment I_y (cm⁴): 110.67

Section modulus Z_{+x} (cm³): 5.62

Section modulus Z_{-x} (cm³): 5.62

Section modulus Z_{+y} (cm³): 15.59

Section modulus Z_{-y} (cm³): 15.59

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



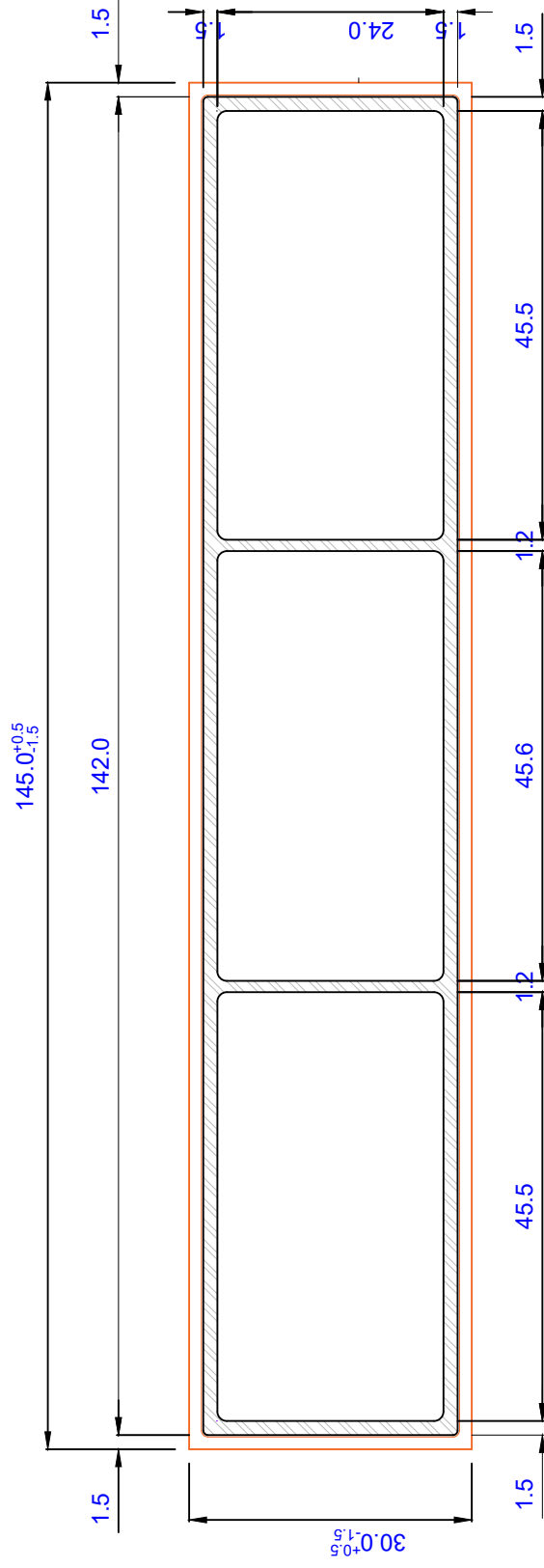
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS		Type 1.0
Weight (kg/ml)	2.06		5.62	Soleo 6024	
Cross section, secondary moment Ix (cm ⁴)	7.59		5.62		
Cross section, secondary moment Iy (cm ⁴)	110.67		15.59		
				15.59	