

Soleo 6196



1 1/2 in x 2 3/4 in or 70 mm x 35 mm

Technical datasheet

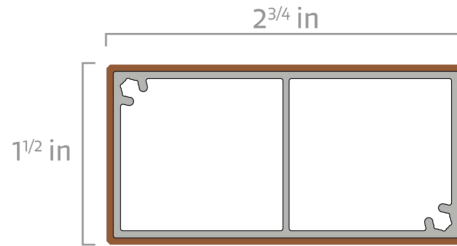


Soleo 6196

WHS: Wood hybrid system



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: Ribbed

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: 0.81 lb/ft | 1.21 kg/m

Secondary moment Ix (cm⁴): 5.98

Secondary moment Iy (cm⁴): 18.74

Section modulus Z+x (cm³): 3.69

Section modulus Z-x (cm³): 3.69

Section modulus Z+y (cm³): 5.56

Section modulus Z-y (cm³): 5.56

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



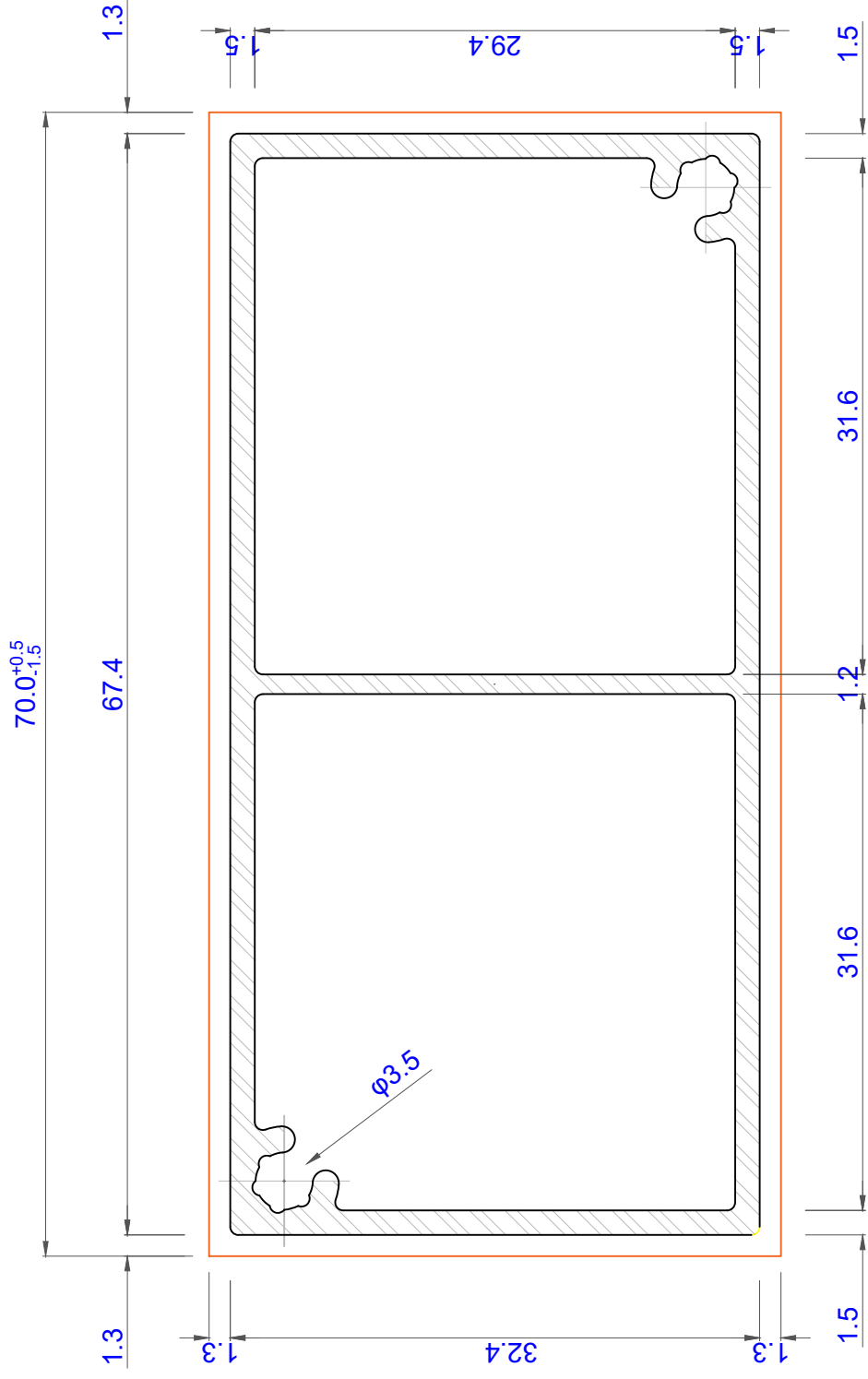
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm		Wood hybrid system WHS		Type 1.0
Weight (lb/ft)	0.81	Cross section coefficient Z+x (cm ³)	3.69	Soleo 6196
Cross section, secondary moment Ix (cm ⁴)	5.98	Cross section coefficient Z-x (cm ³)	3.69	
Cross section, secondary moment Iy (cm ⁴)	18.74	Cross section coefficient Z+y (cm ³)	5.56	
		Cross section coefficient Z-y (cm ³)	5.56	