

# Soleo 6061



**6 in x 3<sup>1</sup>/<sub>4</sub> in or 150 mm x 80 mm**

Technical datasheet

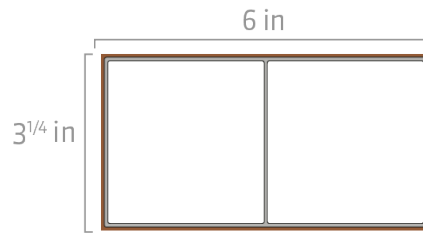


# Soleo 6061

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:**

**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](http://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:** 1.96 lb/ft | 2.92 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 82.38

**Secondary moment Iy (cm<sup>4</sup>):** 209.51

**Section modulus Z+x (cm<sup>3</sup>):** 21.4

**Section modulus Z-x (cm<sup>3</sup>):** 21.4

**Section modulus Z+y (cm<sup>3</sup>):** 28.5

**Section modulus Z-y (cm<sup>3</sup>):** 28.5

**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 CO<sub>2</sub> /Kg WPC

**Alu :** 0.87 kg CO<sub>2</sub> /Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



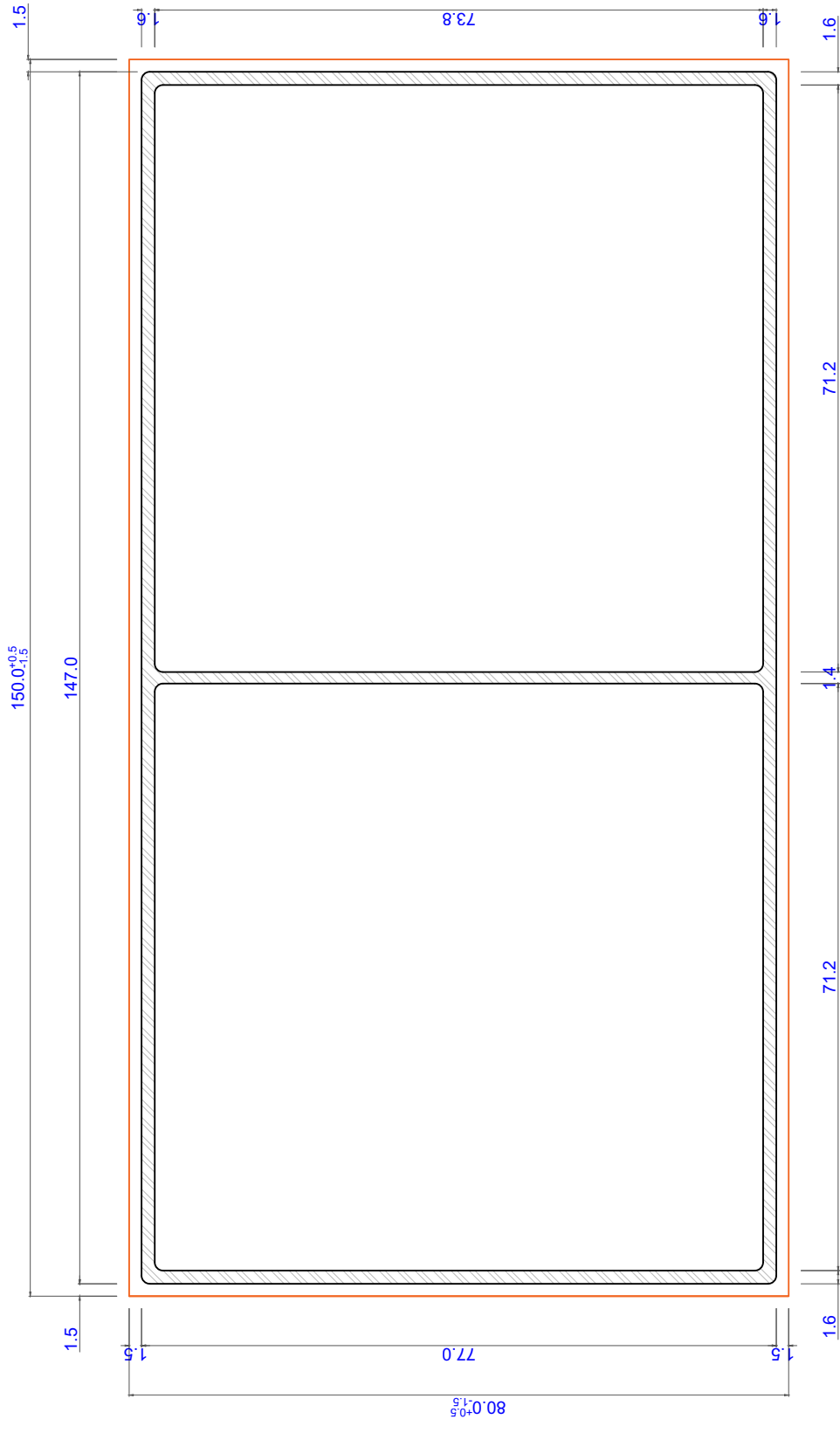
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm		Cross section coefficient Z+x (cm <sup>3</sup> )	21.40	Wood hybrid system WHS	Type 1.0
Weight (lbs/ft)	1.96	Cross section coefficient Z-x (cm <sup>3</sup> )	21.40	<b>Soleo 6061</b>	
Cross section, secondary moment Ix (cm <sup>4</sup> )	82.38	Cross section coefficient Z+y (cm <sup>3</sup> )	28.50		
Cross section, secondary moment Iy (cm <sup>4</sup> )	209.51	Cross section coefficient Z-y (cm <sup>3</sup> )	28.50		