

# Soleo 6226



**2<sup>1</sup>/<sub>4</sub> in x 1<sup>1</sup>/<sub>2</sub> in or 60 mm x 40 mm**

Technical datasheet

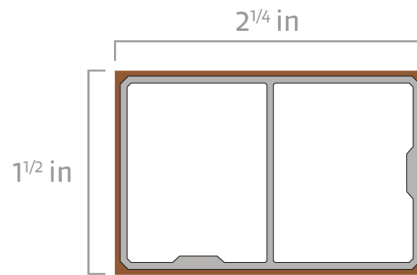


# Soleo 6226

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](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:** 0.67 lb/ft | 0.99 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 5.72

**Secondary moment Iy (cm<sup>4</sup>):** 10.90

**Section modulus Z+x (cm<sup>3</sup>):** 3.28

**Section modulus Z-x (cm<sup>3</sup>):** 3.08

**Section modulus Z+y (cm<sup>3</sup>):** 3.96

**Section modulus Z-y (cm<sup>3</sup>):** 3.83

**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



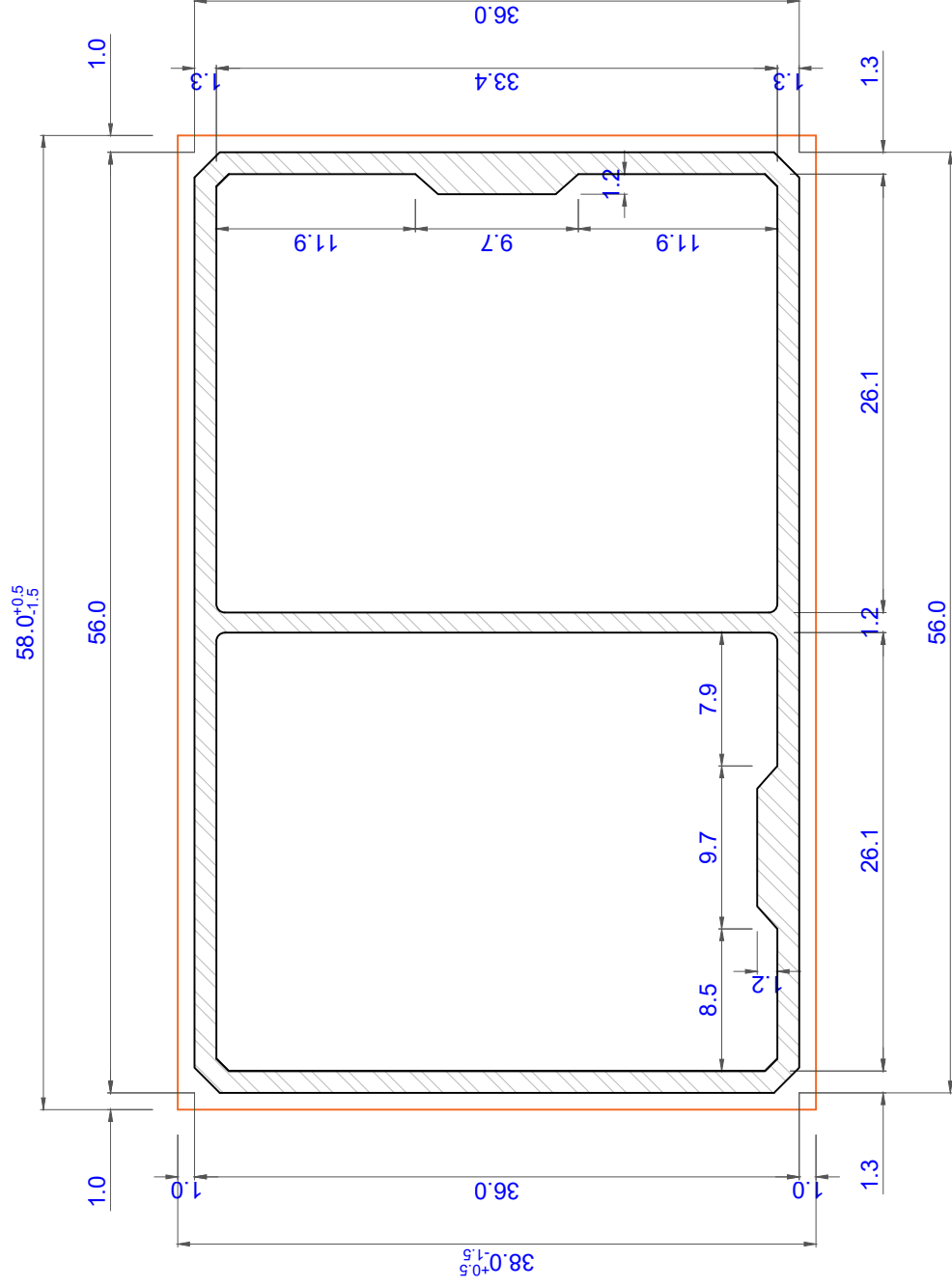
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm		Wood hybrid system WHS		Type 1.0
Weight (lb/ft)	0.67	Cross section coefficient Z+x (cm <sup>3</sup> )	3.28	Soleo 6226
Cross section, secondary moment Ix (cm <sup>4</sup> )	5.72	Cross section coefficient Z-x (cm <sup>3</sup> )	3.08	
Cross section, secondary moment Iy (cm <sup>4</sup> )	10.90	Cross section coefficient Z+y (cm <sup>3</sup> )	3.96	
		Cross section coefficient Z-y (cm <sup>3</sup> )	3.83	www.geolam.com