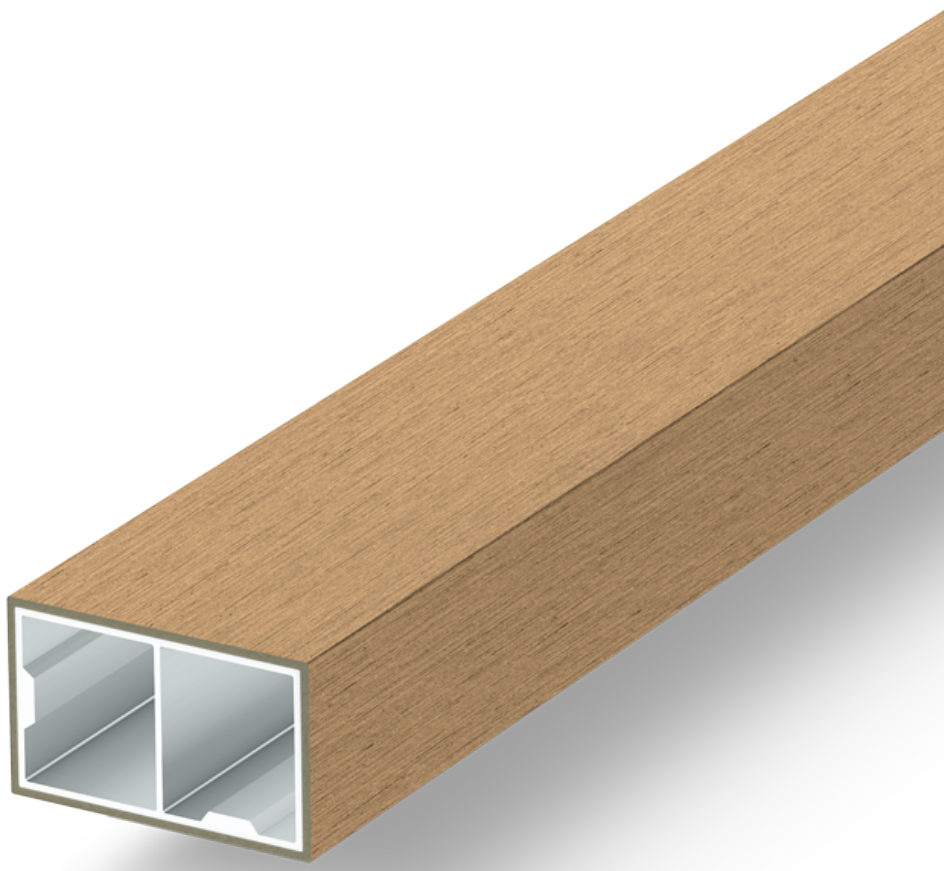
Geolam®
Architectural Eco-Technology



# Soleo 6015

## 2 in x 1 1/4 in or 50 mm x 30 mm

Technical datasheet

# Soleo 6015

WHS: Wood hybrid system

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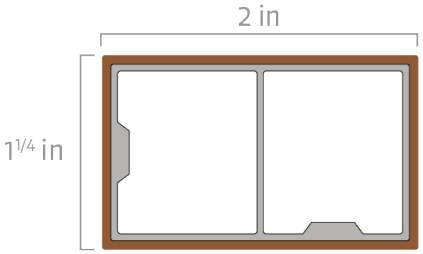



Section tolerances in mm: +/- 2.0 mm or +/- 3/32 in
The outer wpc layer is sanded. The provided dimensions are average thickness (as well for all drawing in that document)

**Fire rating:**
**<u>On request:</u>**
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:** 0.57 lb/ft | 0.85 kg/m

**Secondary moment Ix ($cm^4$):** 2.75

**Secondary moment Iy ($cm^4$):** 6.4

**Section modulus Z+x ($cm^3$):** 1.81

**Section modulus Z-x ($cm^3$):** 2.05

**Section modulus Z+y ($cm^3$):** 2.56

**Section modulus Z-y ($cm^3$):** 2.72

**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 $CO_2$ /Kg WPC
**Alu :** 0.87 kg $CO_2$ /Kg Alu


Teak


Limba


Rosewood

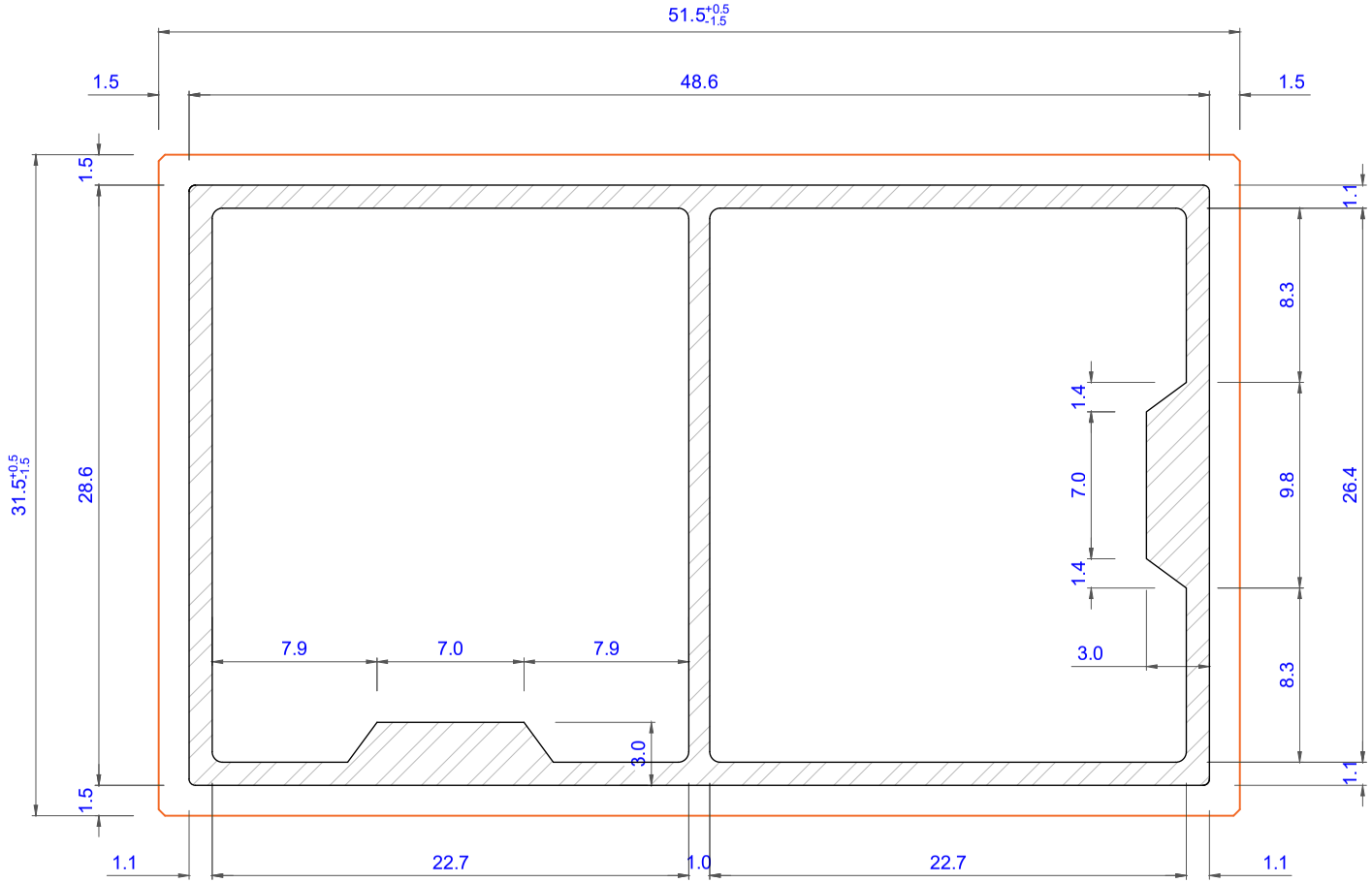

Wenge


Bilinga


Carbon


Ivory


Any color on request




| Technical specifications, dimensions in mm | | Cross section coefficient Z+x (cm³) | 1.81 | Wood hybrid system WHS | Type 1.0 |
|---|---|---|---|---|---|
| Weight (kg/ml) | 0.85 | Cross section coefficient Z-x (cm³) | 2.05 | **Soleo 6015** | |
| Cross section, secondary moment Ix (cm⁴) | 2.75 | Cross section coefficient Z+y (cm³) | 2.56 | | |
| Cross section, secondary moment Iy (cm⁴) | 6.40 | Cross section coefficient Z-y (cm³) | 2.72 | | |

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