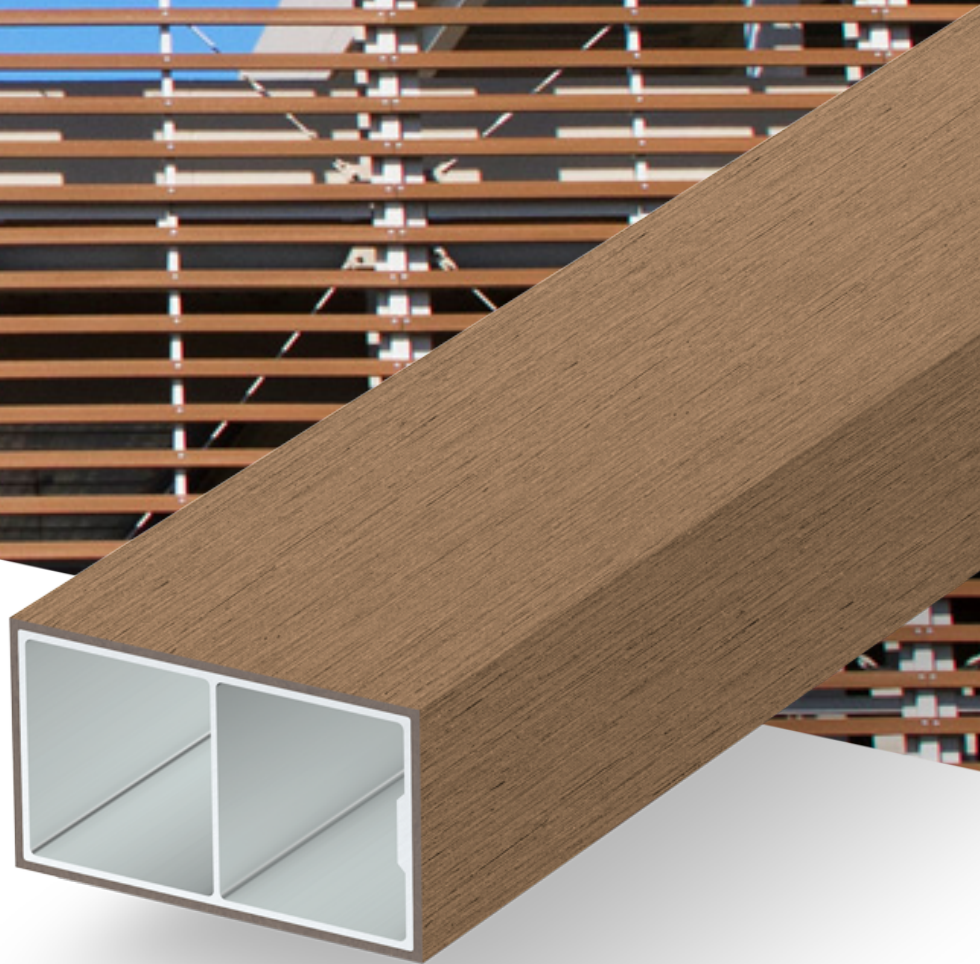




# Soleo 6011



**2 <sup>3</sup>/<sub>4</sub> in x 1 <sup>1</sup>/<sub>2</sub> in or 70 mm x 40 mm**

Technical datasheet

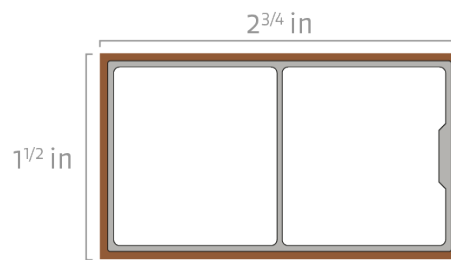


# Soleo 6011

WHS: Wood hybrid system

**Geolam**<sup>®</sup>

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:** 0.81 lb/ft | 1.20 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 6.39

**Secondary moment Iy (cm<sup>4</sup>):** 16.47

**Section modulus Z+x (cm<sup>3</sup>):** 3.45

**Section modulus Z-x (cm<sup>3</sup>):** 3.45

**Section modulus Z+y (cm<sup>3</sup>):** 5.16

**Section modulus Z-y (cm<sup>3</sup>):** 4.69

**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



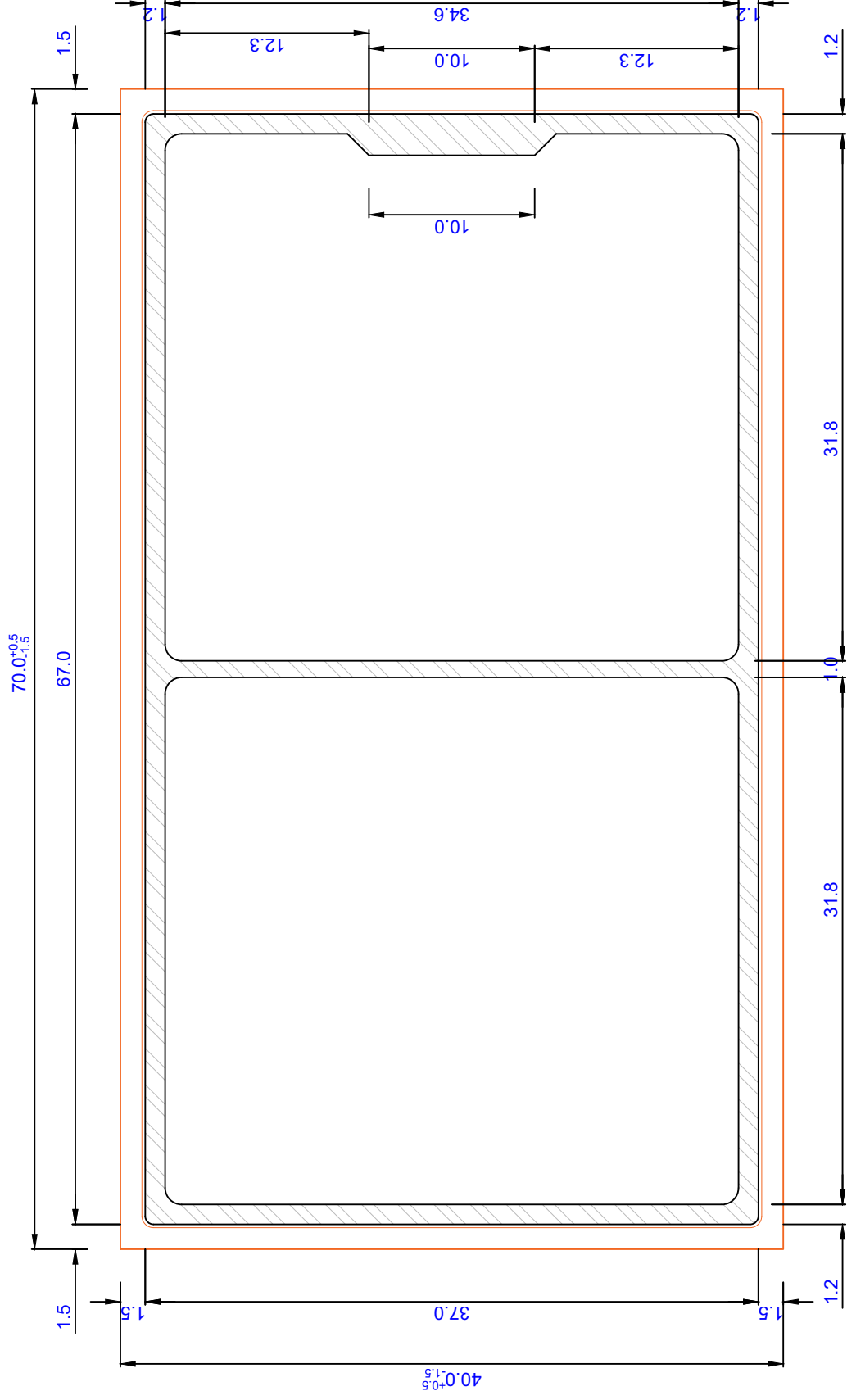
Carbon



Ivory



Any color on request



| Technical specifications, dimensions in mm            |       |            | Wood hybrid system WHS | Type 1.0 |
|-------------------------------------------------------|-------|------------|------------------------|----------|
| Weight (kg/ml)                                        | 1.2   | Soleo 6011 |                        |          |
| Cross section, secondary moment Ix (cm <sup>4</sup> ) | 6.39  |            |                        |          |
| Cross section, secondary moment Iy (cm <sup>4</sup> ) | 16.47 |            |                        |          |
| Cross section coefficient Z+x (cm <sup>3</sup> )      | 3.45  | Soleo 6011 |                        |          |
| Cross section coefficient Z-x (cm <sup>3</sup> )      | 3.45  |            |                        |          |
| Cross section coefficient Z+y (cm <sup>3</sup> )      | 5.16  |            |                        |          |
| Cross section coefficient Z-y (cm <sup>3</sup> )      | 4.69  |            |                        |          |