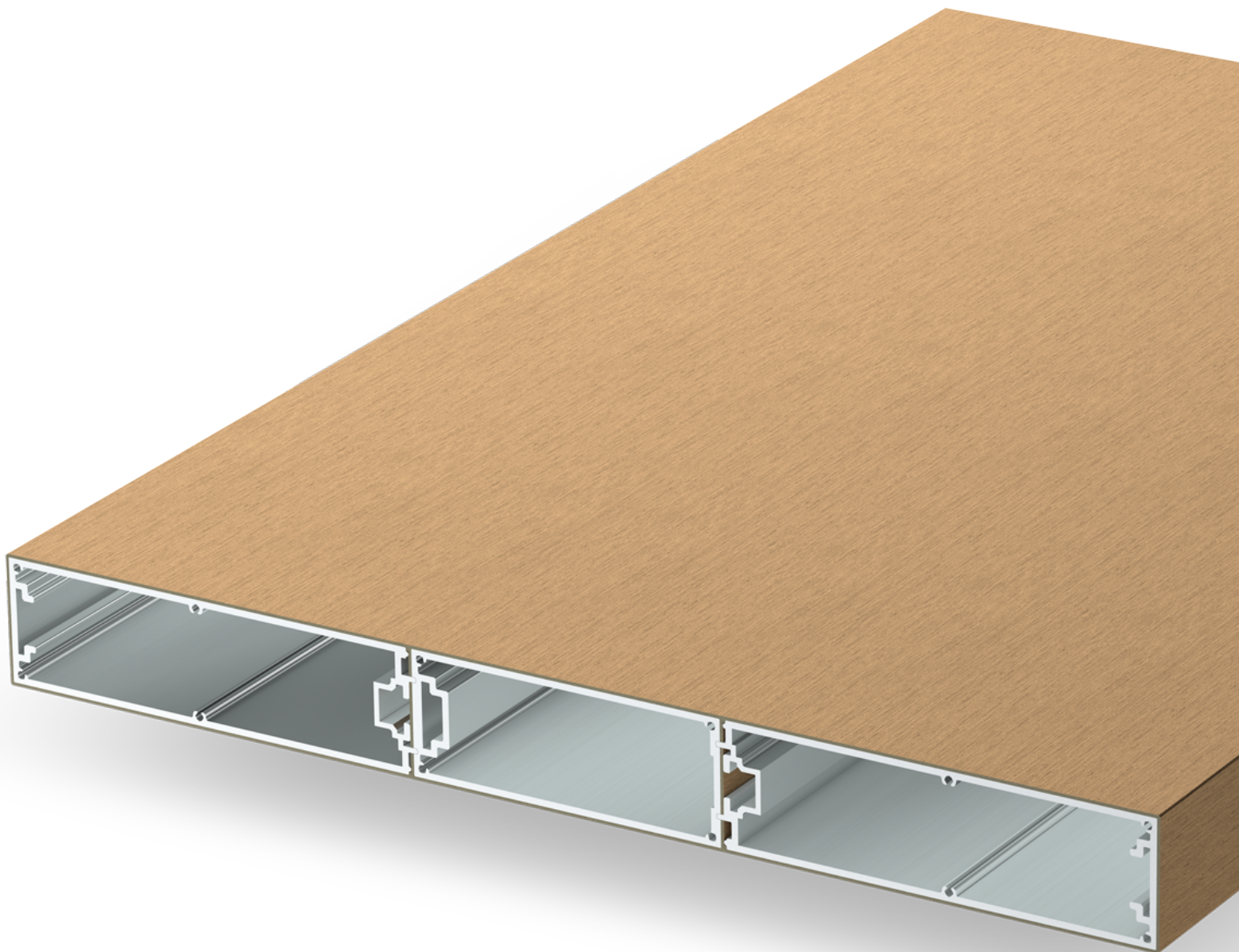




# Planeo 4089



**21 <sup>3</sup>/<sub>4</sub> in x 2 <sup>1</sup>/<sub>4</sub> in or 550 mm x 60 mm**

Technical datasheet

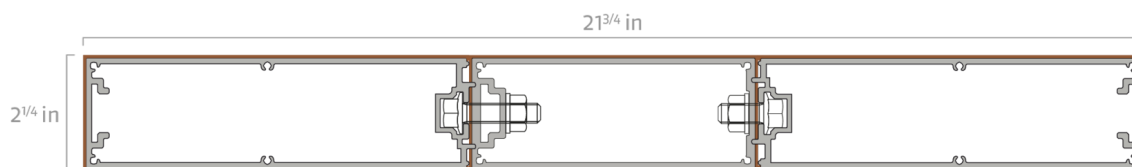


# Planeo 4089

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:** Planeo boards cannot be cut within the bolts at either board end. Refer to 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 27 ft | 2.15 m to 8.25 m

**Weight:** 10.29 lb/ft | 15.31 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 267.7

**Secondary moment Iy (cm<sup>4</sup>):** 12209.39

**Section modulus Z+x (cm<sup>3</sup>):** 93.93

**Section modulus Z-x (cm<sup>3</sup>):** 93.93

**Section modulus Z+y (cm<sup>3</sup>):** 450.2

**Section modulus Z-y (cm<sup>3</sup>):** 442.69

**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

**Profile :** 9.005 kg CO<sub>2</sub>/Kg



Teak



Limba



Rosewood



Wenge



Bilinga



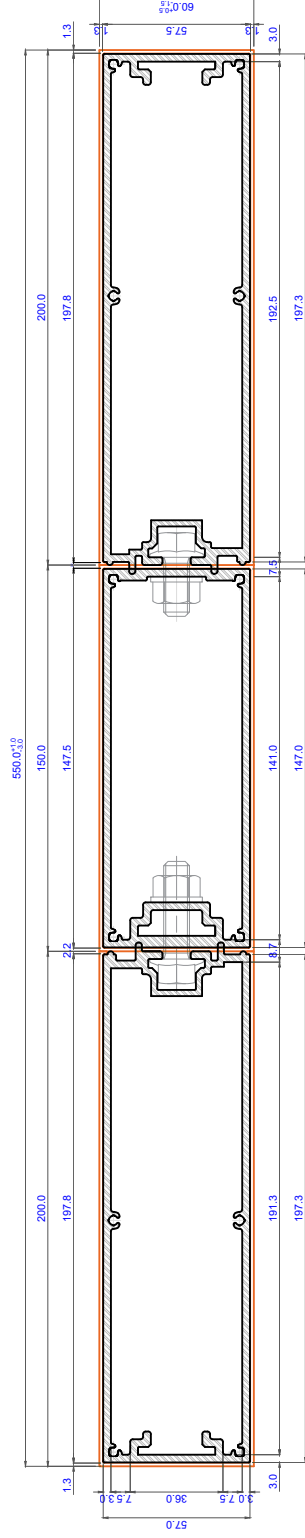
Carbon



Ivory



Any color on request



| Technical specifications, dimensions in mm            |          | Wood hybrid system WHS | Type 1.0    |
|-------------------------------------------------------|----------|------------------------|-------------|
| Weight (kg/ml)                                        | 15.31    | 93.93                  | Planeo 4089 |
| Cross section, secondary moment Ix (cm <sup>4</sup> ) | 267.70   | 450.20                 |             |
| Cross section, secondary moment Iy (cm <sup>4</sup> ) | 12209.39 | 442.69                 |             |