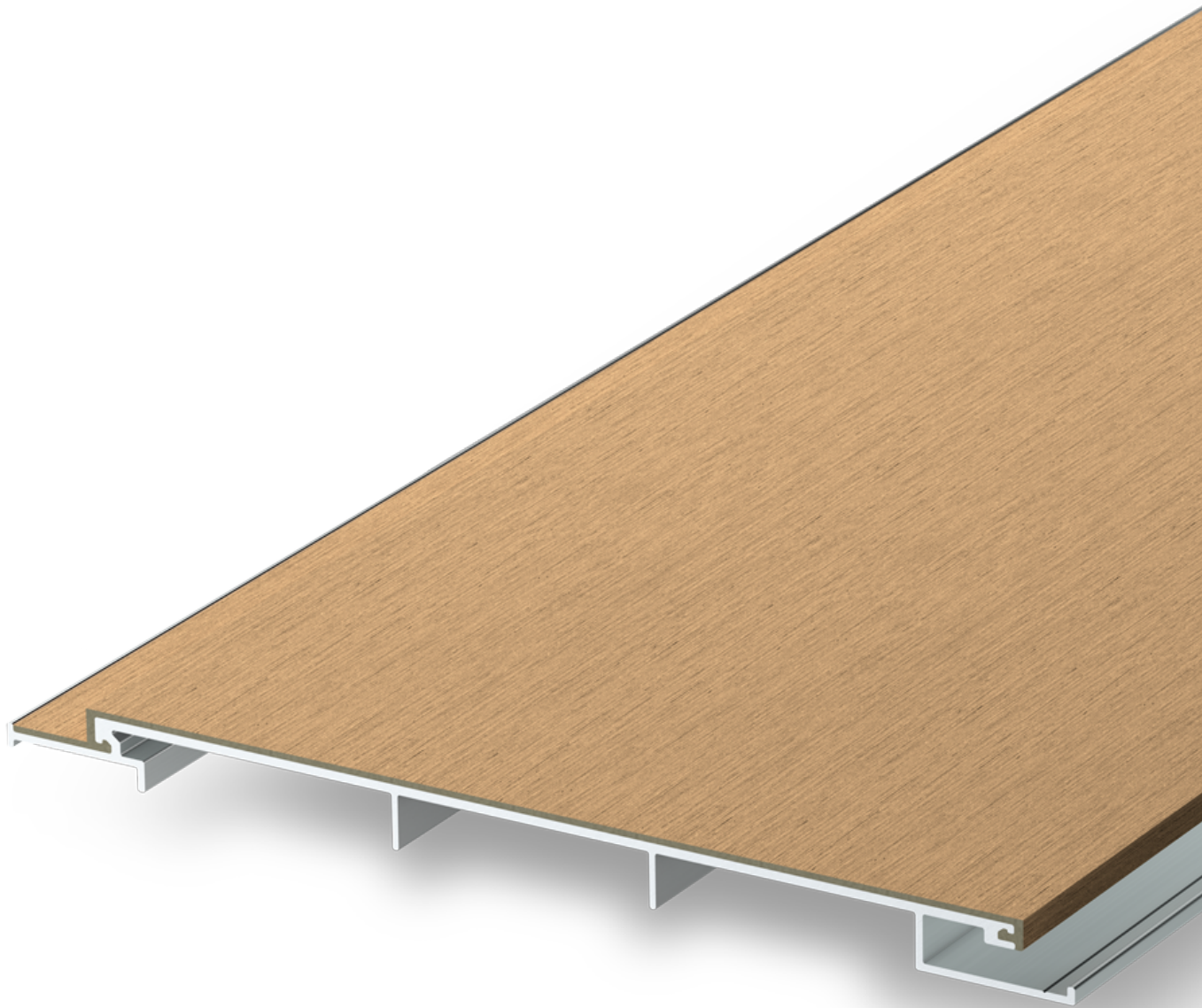




# Vertigo 5020



**8 in x <sup>1</sup>/<sub>2</sub> in or 205 mm x 13 mm**

Technical datasheet

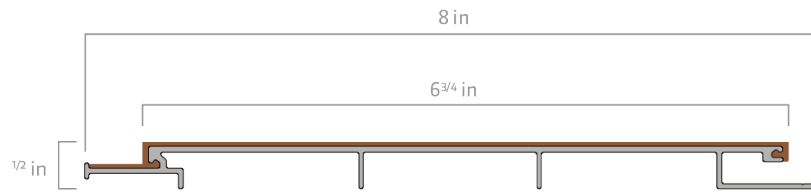


# Vertigo 5020

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:** 1.01 lb/ft | 1.50 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 0.59

**Secondary moment Iy (cm<sup>4</sup>):** 175.6

**Section modulus Z+x (cm<sup>3</sup>):** 0.68

**Section modulus Z-x (cm<sup>3</sup>):** 1.91

**Section modulus Z+y (cm<sup>3</sup>):** 17.52

**Section modulus Z-y (cm<sup>3</sup>):** 16.67

**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



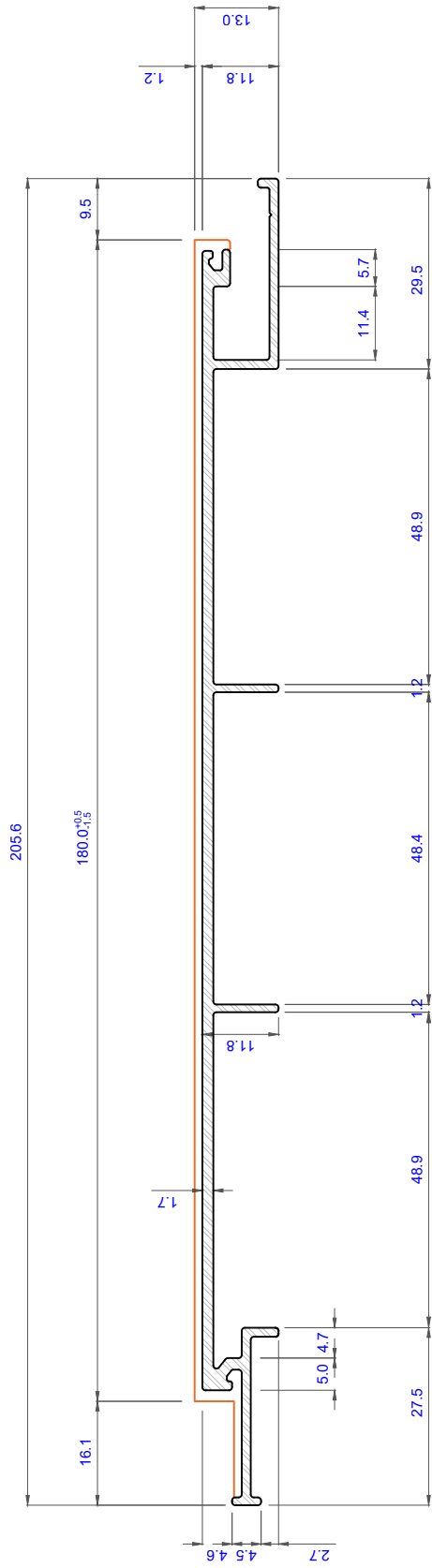
Carbon



Ivory



Any color on request



| Technical specifications, dimensions in mm            |        |                                                  | Wood hybrid system WHS |       | Type 1.0     |
|-------------------------------------------------------|--------|--------------------------------------------------|------------------------|-------|--------------|
| Weight (kg/ml)                                        | 1.50   | Cross section coefficient Z+x (cm <sup>3</sup> ) |                        | 0.68  | Vertigo 5020 |
| Cross section, secondary moment Ix (cm <sup>4</sup> ) | 0.59   | Cross section coefficient Z-x (cm <sup>3</sup> ) |                        | 1.91  |              |
| Cross section, secondary moment Iy (cm <sup>4</sup> ) | 175.60 | Cross section coefficient Z+y (cm <sup>3</sup> ) |                        | 17.52 |              |
|                                                       |        | Cross section coefficient Z-y (cm <sup>3</sup> ) |                        | 16.67 |              |