



# Vertigo 5005



**4 in x <sup>1</sup>/<sub>4</sub> in or 100 mm x 7 mm**

Technical datasheet



# Vertigo 5005

WHS: Wood hybrid system

**Geolam**<sup>®</sup>

Architectural Eco-Technology



Section tolerances in mm:  $\pm 2.0$  mm or  $\pm 3/32$  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:** 0.38 lb/ft | 0.57 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 0.01

**Secondary moment Iy (cm<sup>4</sup>):** 12.73

**Section modulus Z+x (cm<sup>3</sup>):** 0.03

**Section modulus Z-x (cm<sup>3</sup>):** 0.03

**Section modulus Z+y (cm<sup>3</sup>):** 2.61

**Core in anodized aluminum alloy:** A6063S-T5 Serie 6000

**Coefficient of Thermal Expansion (20-100°C):**

23.4  $\mu\text{m}/\text{m}/^\circ\text{C}$

**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



Rosewood



Bilinga



Ivory



Limba



Wenge



Carbon



Any color on request