

# Planeo 4045



**7 <sup>3</sup>/<sub>4</sub> in x 4 in or 200 mm x 100 mm**

Technical datasheet



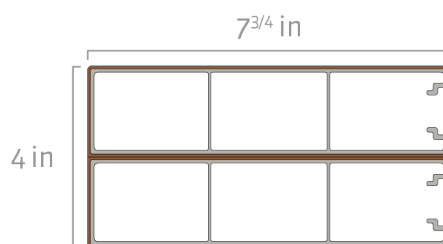


# Planeo 4045

WHS: Wood hybrid system

## Geolam®

Architectural Eco-Technology



Section tolerances in mm: +0.5 / -2.0 mm or +1/64 to -5/64 in

The outer wpc layer is sanded for aesthetic reasons and consists of peaks and valleys; the dimension provided is average thickness

### 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:** 5.28 lb/ft | 7.86 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 7.86 kg/m

**Secondary moment Iy (cm<sup>4</sup>):** 45.8

**Section modulus Z+x (cm<sup>3</sup>):** 487.4

**Section modulus Z-x (cm<sup>3</sup>):** 19.5

**Section modulus Z+y (cm<sup>3</sup>):** 19.5

**Section modulus Z-y (cm<sup>3</sup>):** 52.3

**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:**

1159

### Norms and certificates:

**WPC :** 1.54 kg CO<sub>2</sub>/Kg

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



Teak



Rosewood



Bilinga



Ivory



Limba



Wenge



Carbon



Any color on request