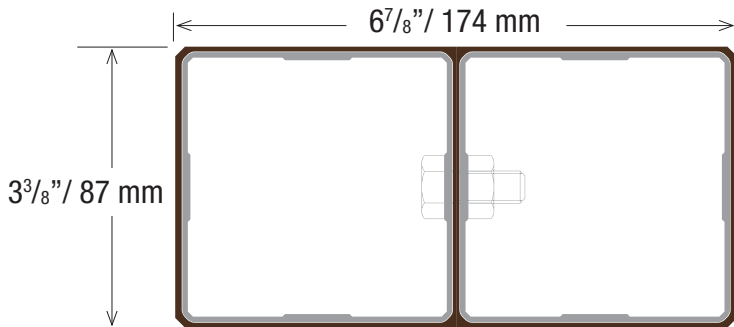


# Planeo 4044

**Geolam**<sup>®</sup>  
Architectural Eco-Technology

## Hybrid Aluminum/WPC Architectural Elements

Datasheet



*Technical information may change without warning.  
Please ensure you that you reference our latest as shown on our website at [www.usa.geolam.com](http://www.usa.geolam.com)*

**Thickness:** 3 3/8 in | 87 mm

**Width:** 6 7/8 in | 174 mm

**Section tolerances in mm:** + 0.5 / - 2.0

**Fire rating:**

On request before order

**Surfaces finish:** Sanded

**Profiles fastening and installation:**

Check our website [www.usa.geolam.com](http://www.usa.geolam.com)

**Available in Custom lengths Only**

**Weight:** 3.04 lb/ft | 4.52 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 131.9

**Secondary moment Iy (cm<sup>4</sup>):** 358.8

**Section modulus Z+x (cm<sup>3</sup>):** 31.55

**Section modulus Z-x (cm<sup>3</sup>):** 31.55

**Section modulus Z+y (cm<sup>3</sup>):** 42.31

**Section modulus Z-y (cm<sup>3</sup>):** 42.31

**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

*Sanding finish and/or shading may vary between runs*

**Standard Colors** - Minimum 800 lineal ft. for all colors.



Teak



Moleskin



Rosewood



Ebony

**Non-Standard Colors** - 90 day lead time - Minimum order 5,000 lineal ft.



Blackwood



Bilinga

**Custom Colors Available** - Minimum order 6,000 lineal ft.



**IMPORTANT:**

Planeo boards consist of other Geolam hybrid profiles, usually Soleo, that are bolted internally to produce a larger board. The bolts are usually placed 2 – 4 ft apart depending on the profile and are inset approx 2" at the end of each board. The boards can be field cut with a small tooth saw to shorten them but only the 2" on the ends that stick out past the end bolts. Please do not cut these boards anywhere else. This may compromise the structural integrity of the board.

[www.usa.geolam.com](http://www.usa.geolam.com)

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