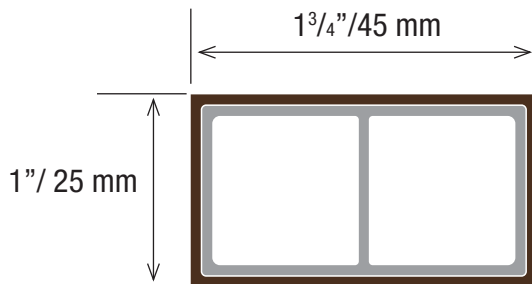


# Soleo 6005

**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:** 1 in | 25 mm

**Width:** 1 3/4 in | 45 mm

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

**Fire rating:**

Non-combustible as per ASTM E-136 (appendix)

**Surfaces finish:** Sanded

**Profiles fastening and installation:**

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

**Standard length:** 9 ft 10 in | 3.0 m

**Or order custom lengths from:**

7 ft to 19 ft 8 in | 2.15 m to 6 m

**Weight:** 0.40 lb/ft | 0.60 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 1.41

**Secondary moment Iy (cm<sup>4</sup>):** 3.72

**Section modulus Z+x (cm<sup>3</sup>):** 1.29

**Section modulus Z-x (cm<sup>3</sup>):** 1.29

**Section modulus Z+y (cm<sup>3</sup>):** 1.77

**Section modulus Z-y (cm<sup>3</sup>):** 1.77

**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 1,600 lineal ft. for all colors.



Teak



Moleskin



Rosewood



Ebony

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



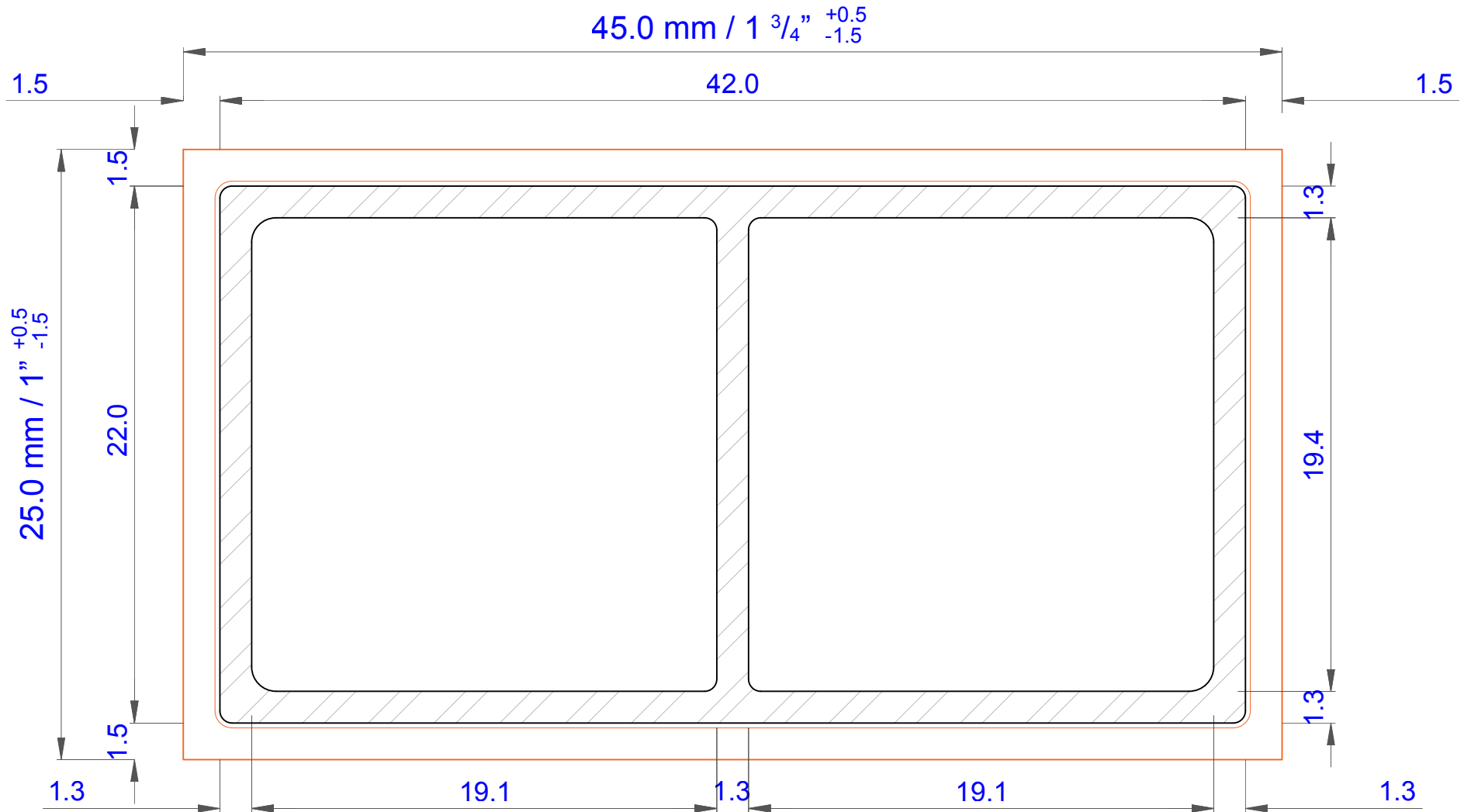
Carbon



Bilinga

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

[usa.geolam.com](http://usa.geolam.com)  
Toll free: 1-877-627-3530  
[info@geolaminc.com](mailto:info@geolaminc.com)



Technical specifications, dimensions in mm		Cross section coefficient Z+x (cm <sup>3</sup> )	1.29	Wood hybrid system WHS	Type 1.0
Weight (kg/ml)	0.72	Cross section coefficient Z-x (cm <sup>3</sup> )	1.29	<b>Soleo 6005</b> www.geolaminc.com	
Cross section, secondary moment Ix (cm <sup>4</sup> )	1.41	Cross section coefficient Z+y (cm <sup>3</sup> )	1.77		
Cross section, secondary moment Iy (cm <sup>4</sup> )	3.72	Cross section coefficient Z-y (cm <sup>3</sup> )	1.77		