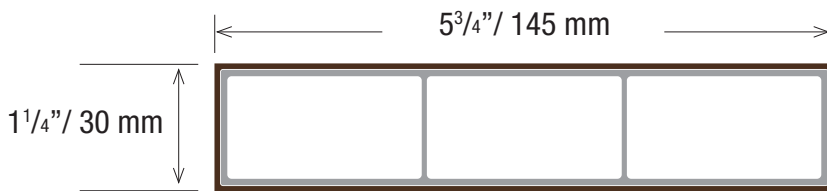


# Soleo 6024

**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.geolaminc.com](http://www.geolaminc.com)*

**Thickness:** 1 1/4 in | 30 mm  
**Width:** 5 3/4 in | 145 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.geolaminc.com](http://www.geolaminc.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:** 1.38 lb/ft | 2.06 kg/m

**Secondary moment I<sub>x</sub> (cm<sup>4</sup>):** 7.59

**Secondary moment I<sub>y</sub> (cm<sup>4</sup>):** 110.67

**Section modulus Z<sub>x</sub> (cm<sup>3</sup>):** 5.62

**Section modulus Z<sub>x</sub> (cm<sup>3</sup>):** 5.62

**Section modulus Z<sub>y</sub> (cm<sup>3</sup>):** 15.59

**Section modulus Z<sub>y</sub> (cm<sup>3</sup>):** 15.59

**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 ft for all colors.



Teak



Moleskin



Rosewood



Ebony

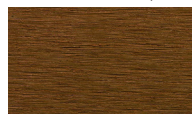
**Non-Standard Colors** - 90 day lead time - Minimum order 5,000 ft.



Ivory



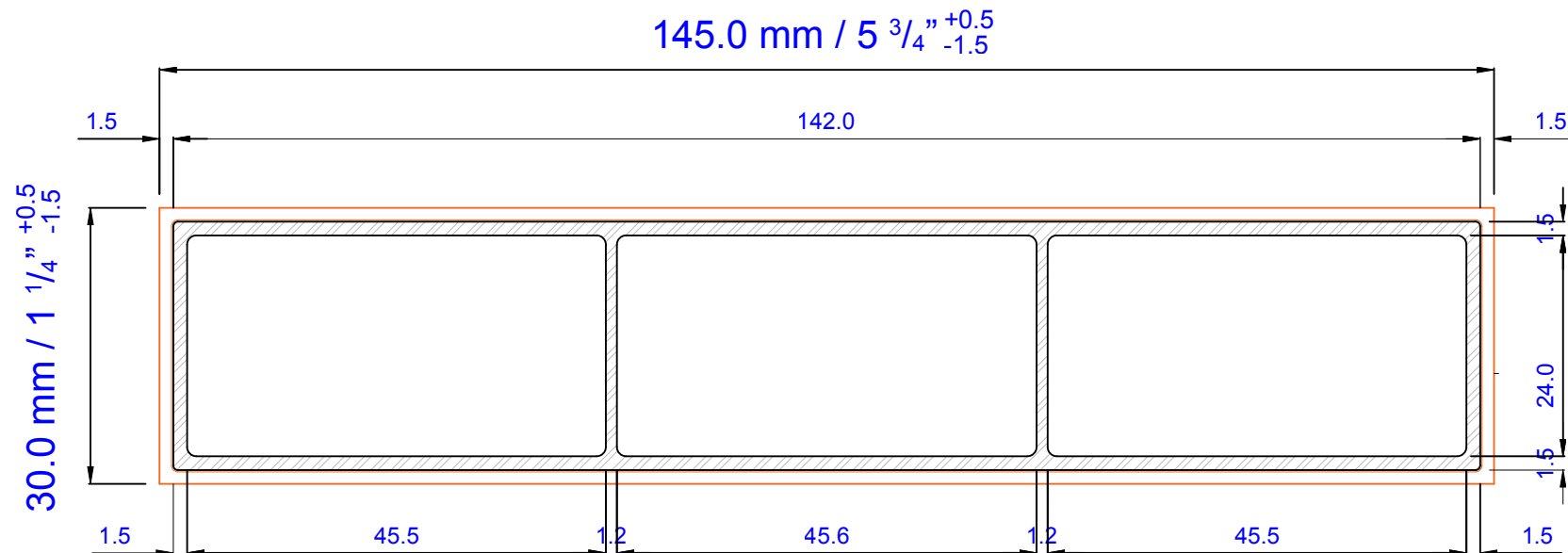
Blackwood



Bilinga

**Custom Colors Available** - Minimum order 10,000 ft.

[www.geolaminc.com](http://www.geolaminc.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> ) |       | Wood hybrid system WHS                                                        | Type 1.0 |
|-------------------------------------------------------|--------|--------------------------------------------------|-------|-------------------------------------------------------------------------------|----------|
| Weight (kg/ml)                                        | 2.06   | Cross section coefficient Z-x (cm <sup>3</sup> ) | 5.62  | <b>Soleo 6024</b><br><a href="http://www.geolaminc.com">www.geolaminc.com</a> |          |
| Cross section, secondary moment Ix (cm <sup>4</sup> ) | 7.59   | Cross section coefficient Z+y (cm <sup>3</sup> ) | 15.59 |                                                                               |          |
| Cross section, secondary moment Iy (cm <sup>4</sup> ) | 110.67 | Cross section coefficient Z-y (cm <sup>3</sup> ) | 15.59 |                                                                               |          |