



# Diameo 2023



**11 <sup>3</sup>/<sub>4</sub> in x 2 <sup>1</sup>/<sub>4</sub> in or 300 mm x 60 mm**

Technical datasheet

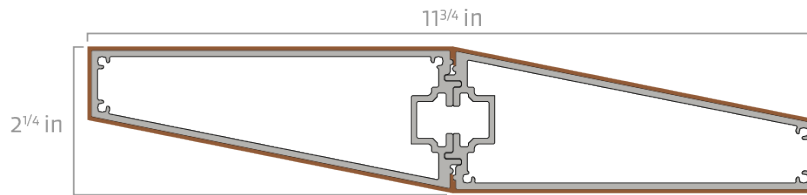


# Diameo 2023

WHS: Wood hybrid system



Architectural Eco-Technology



Section tolerances in mm: +/- 2.0 mm or +/- 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:** 4.99 lb/ft | 7.43 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 92.18

**Secondary moment Iy (cm<sup>4</sup>):** 1452.49

**Section modulus Z+x (cm<sup>3</sup>):** 32.34

**Section modulus Z-x (cm<sup>3</sup>):** 32.24

**Section modulus Z+y (cm<sup>3</sup>):** 97.81

**Section modulus Z-y (cm<sup>3</sup>):** 97.81

**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 WPC

**Alu :** 0.87 kg CO<sub>2</sub> /Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



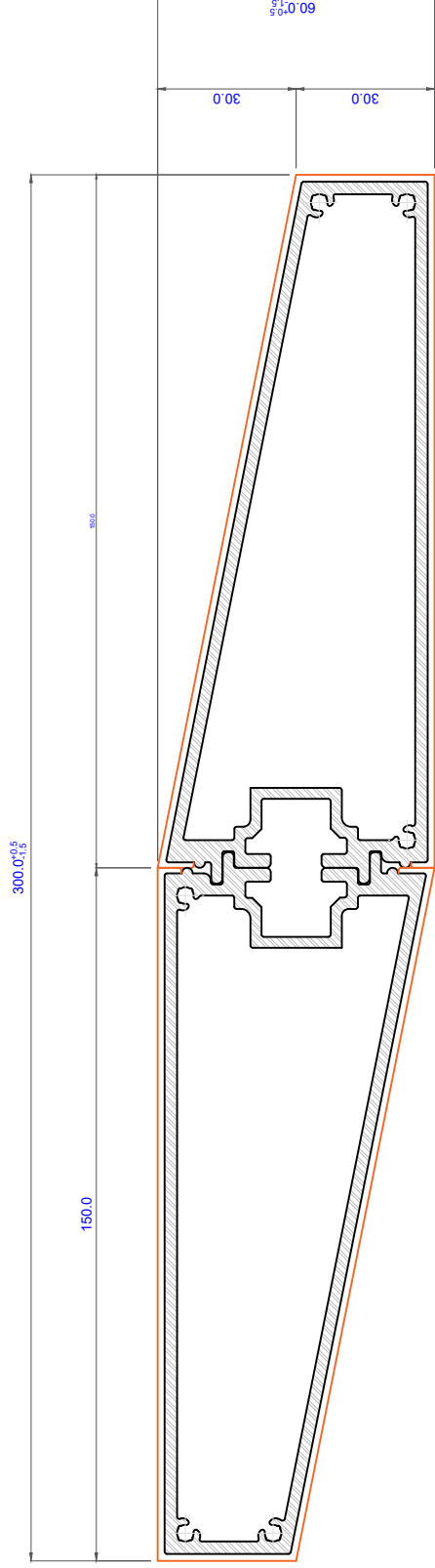
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm		Wood hybrid system WHS	Type 1.0
Weight (lbs/ft)	4.99	32.34	<h2 style="text-align: center;">Diameo 2023</h2>
Cross section, secondary moment Ix (cm <sup>4</sup> )	92.18	32.34	
Cross section, secondary moment Iy (cm <sup>4</sup> )	1452.49	97.81	
			97.81