



Diameo 2023



11 3/4 in x 2 1/4 in or 300 mm x 60 mm

Technical datasheet

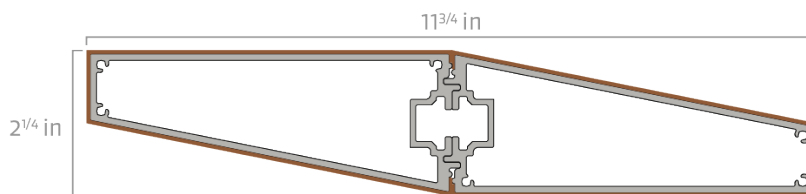


Diameo 2023

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:

Check our website 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 (cm⁴): 7.43 kg/m

Secondary moment Iy (cm⁴): 92.18

Section modulus Z+x (cm³): 1452.49

Section modulus Z-x (cm³): 32.34

Section modulus Z+y (cm³): 32.24

Section modulus Z-y (cm³): 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:

2345.6

Norms and certificates:

WPC : 1.54 kg CO₂ /Kg

Profile : 9.005 kg CO₂ /Kg



Teak



Limba



Rosewood



Wenge



Bilinga



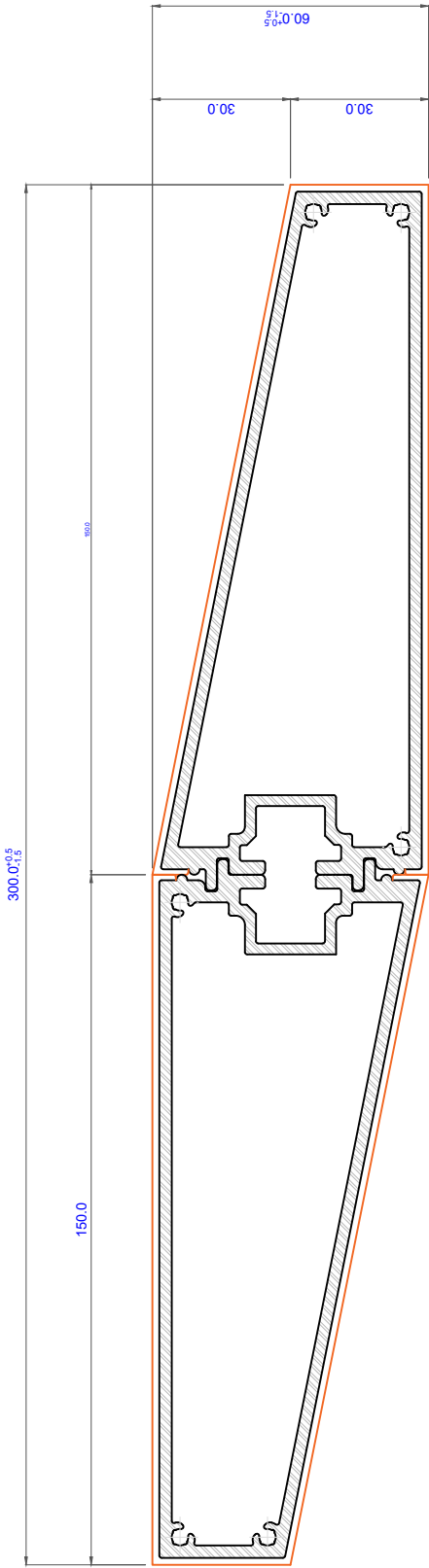
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm			Wood hybrid system WHS	Type 1.0
Weight (lbs/ft)	4.99		32.34	Diameo 2023
Cross section, secondary moment Ix (cm ⁴)	92.18	Cross section coefficient Z-x (cm ³)	32.34	
Cross section, secondary moment Iy (cm ⁴)	1452.49	Cross section coefficient Z+y (cm ³)	97.81	
		Cross section coefficient Z-y (cm ³)	97.81	