

Diameo 2022



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

Technical datasheet

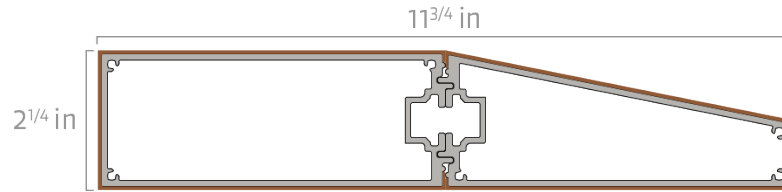


Diameo 2022

WHS: Wood hybrid system

Geolam®

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

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: 5.11 lb/ft | 7.61 kg/m

Secondary moment Ix (cm⁴): 112.77

Secondary moment Iy (cm⁴): 1628.62

Section modulus Z+x (cm³): 44.02

Section modulus Z-x (cm³): 35.93

Section modulus Z+y (cm³): 106.31

Section modulus Z-y (cm³): 113.25

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 CO₂ /Kg WPC

Alu : 0.87 kg CO₂ /Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



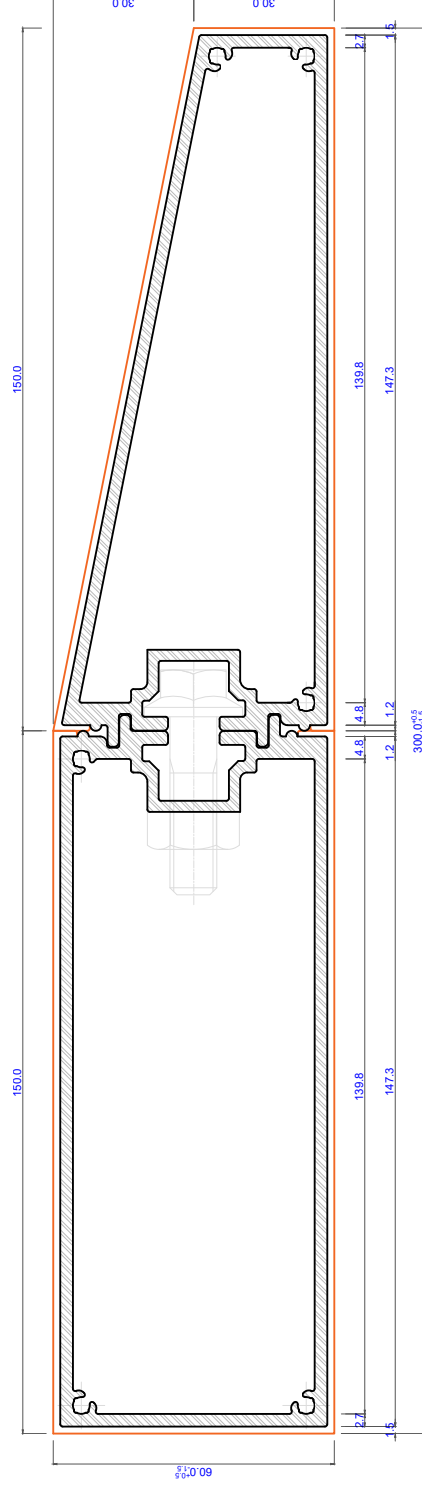
Carbon



Ivory



Any color on request



Technical specifications, dimensions in mm		Cross section coefficient Z+x (cm ³)	44.02	Wood hybrid system WHS	Type 1.0
Weight (lbs/ft)	-	Cross section coefficient Z-x (cm ³)	35.93	Diameo 2022	
Cross section, secondary moment Ix (cm ⁴)	112.77	Cross section coefficient Z+y (cm ³)	106.31		
Cross section, secondary moment Iy (cm ⁴)	1628.62	Cross section coefficient Z-y (cm ³)	113.25		