



Soleo 6028



5 ³/₄ in x 1 ¹/₄ in or 145 mm x 30 mm

Technical datasheet



Soleo 6028

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: 1.03 lb/ft | 1.54 kg/m

Secondary moment Ix (cm⁴): 7.5

Secondary moment Iy (cm⁴): 101.37

Section modulus Z+x (cm³): 5.21

Section modulus Z-x (cm³): 5.21

Section modulus Z+y (cm³): 13.74

Section modulus Z-y (cm³): 14.47

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

Profile : 9.005 kg CO₂/Kg



Teak



Limba



Rosewood



Wenge



Bilinga



Carbon



Ivory



Any color on request

145.0^{+0.5}_{-1.5}

143.8

0.6

0.6

0.6

0.6

30.0^{+0.5}_{-1.5}

28.8

5.7

15.0

5.7

4.0

1.2

1.2

46.7

1.2

45.6

1.2

46.7

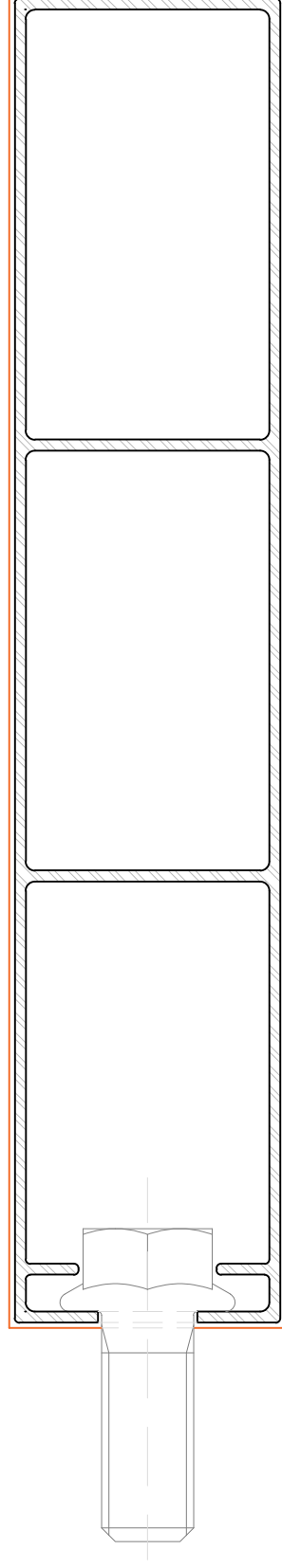
1.2

1.2

26.4

1.2

1.2



Technical specifications, dimensions in mm

Weight (lbs/ft)

1.03

Cross section, secondary moment I_x (cm⁴)

7.50

Cross section, secondary moment I_y (cm⁴)

101.37

Wood hybrid system WHS

Type 1.0

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5.21

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13.74

14.47