

# WEO<sup>®</sup> 60 (D CLASS)

**Fiberdeck**<sup>®</sup>

Never stop innovating





**D S3d0**

**20 YEARS**  
WARRANTY  
LIMITED RESIDENTIAL



**UV RESIST**





**30%**  
bio sourced

CEDAR



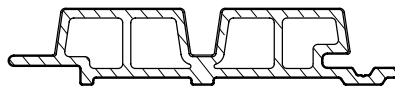
DARK GREY



IPE

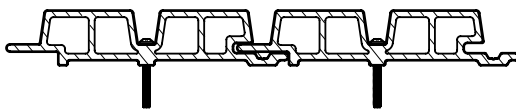


TEAK

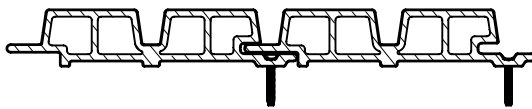


33 x 170mm x L 2.90m / 3.90m

**VISIBLE SCREWING**



**HIDDEN SCREWING**



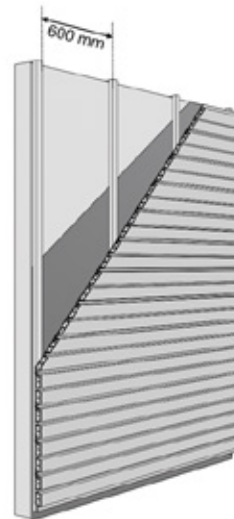
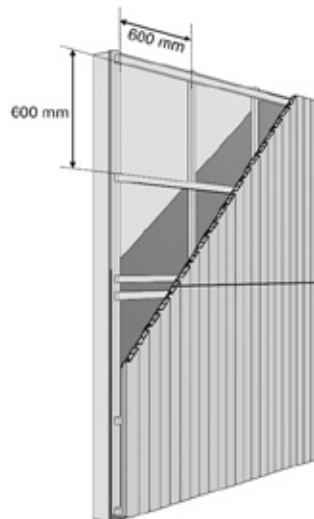
**COLORED STAINLESS STEEL SCREWS A2 TORX 4.2 X 38 MM**

100 units per box + bit  
Pan Head  
1 box = 8m<sup>2</sup>  
(Visible screwing)



**STAINLESS STEEL SCREWS A2 TORX 4.2 X 32 MM**

200 units per box + bit  
Flat head  
1 box = 16m<sup>2</sup>  
(Invisible screwing)



# WEO<sup>®</sup>60 (D CLASS)

## Cladding applications\*

Fire Class D-s3 d0

Wall cladding systems

*\*(In compliance with local building regulations)*

	Length 2.90m / pcs	Length 3.90m / pcs
Coverage per board	0.406 m <sup>2</sup>	0.546 m <sup>2</sup>
Weight per sq/m	15 kg/m <sup>2</sup>	15 kg/m <sup>2</sup>

	Standard screwing	Edges and finishing
Horizontal installation	Screw 4.2 x 38 mm Screw 4.2 x 32 mm	Screw 4.2 x 38 mm
Vertical installation	Screw 4.2 x 32 mm	Screw 4.2 x 38 mm

	Requirements
Cladding subframe	Wooden or aluminium battens in compliance with local building regulations and our guidelines
Seismic	Seismicity zone ≤ 4
Fire Class	D-s3 d0 : EN 13501-1: 2018 EN ISO 11925-2
Impact resistance	<b>Q4</b> ( NF P 08-301 / NF P 08-302 ) Ensure impact resistance of hard and soft objects ( scale Q1 < Q4 )
Wind loads resistance	<b>1571 Pa</b> (including safety factor of 3.5) Eurocode 1 (EN 1991-1-4)
Aging effects on color	<b>Delta E = 1.51</b> EN 15534-5:2014 EN ISO 18314-1
Durability standards for composite wood	EN 15534-5 (Class 3 for outdoor use)
Edges requirements	Aluminium sheet - Standard NF EN 1396 Steel sheet - Standard NF EN 10326 Incl. pre-lacquering - Standard NF P34-301 Corrosion protection - Standard NF P24-351

# WEO<sup>®</sup>60 (D CLASS)

PROPERTY	TEST METHOD	TEST RESULTS	NOTES / REQUIREMENTS
Composition	-	HDPE = 44% Wood powder = 30% Additives = 26%	-
Density	EN 15534-1	1.3 g/cm <sup>3</sup>	-
Linear mass	EN 15534-1	2.58 kg/m	-
Deviation from Straightness	EN 15534-1	≤ 1mm / metre	-
Cupping	EN 15534-1	≤ 0.5 mm	-
Maximum load	EN 15534-1	2869 N	Span : 600 mm
Deflection at 250 N	EN 15534-1	1.51 mm	Span : 600 mm ≤ 5 mm (EN 15534-5)
Modulus of elasticity	EN 15534-1. Annex A	3782 MPa	Span : 600 mm Bending test on finished product at normal condition 20°C and 65% RH
Bending strength	EN 15534-1. Annex A	33.2 MPa	
Resistance to indentation (Brinell Hardness)	EN 15534-1	Brinell hardness : 63.06 MPa Rate of elastic recovery : 65.5 %	Applied load : 2000N
Resistance to artificial weathering	EN 15534-1	ΔE= 1.51 ΔL*=-1.12 Δa*=0.61 Δb*=-0.78	2000 hours. ISO 4892-2 cycle 1
Swelling and water absorption (28 days)	EN 15534-1 EN 317	Swelling: 2.29 % in thickness 0.04 % in width 0.5 % in length  Water absorption in weight : 5.86 %	Swelling: ≤ 10 % in thickness ≤ 1.5 % in width ≤ 0.6 % in length (EN 15534-5)  Water absorption in weight ≤ 8 % (EN 15534-5)
Boiling test	EN 15534-1 EN 1087-1	Water absorption in weight = 1.87 %	Water absorption in weight ≤ 7 % (EN 15534-5)
Falling mass Impact resistance	EN 15534-1	No crack	Striker weight : 500 ± 2 g Falling distance : 1000 ± 5 mm Maximum 1 crack for 10 test specimens. (EN 15534-5)
Heat reversion	EN 15534-1 EN 479	-0.46 %	100°C - 1 hour
Linear thermal expansion coefficient	EN 15534-1	67.1 · 10 <sup>-6</sup> K <sup>-1</sup>	≤ 50.0 10 <sup>-6</sup> K <sup>-1</sup> (EN 15534-5)
Creep behavior	EN 15534-4	ΔS = 6.22 mm	Span 600mm
Tensile strength	EN 319 : 1993	3.98 N/mm <sup>2</sup>	Peeling