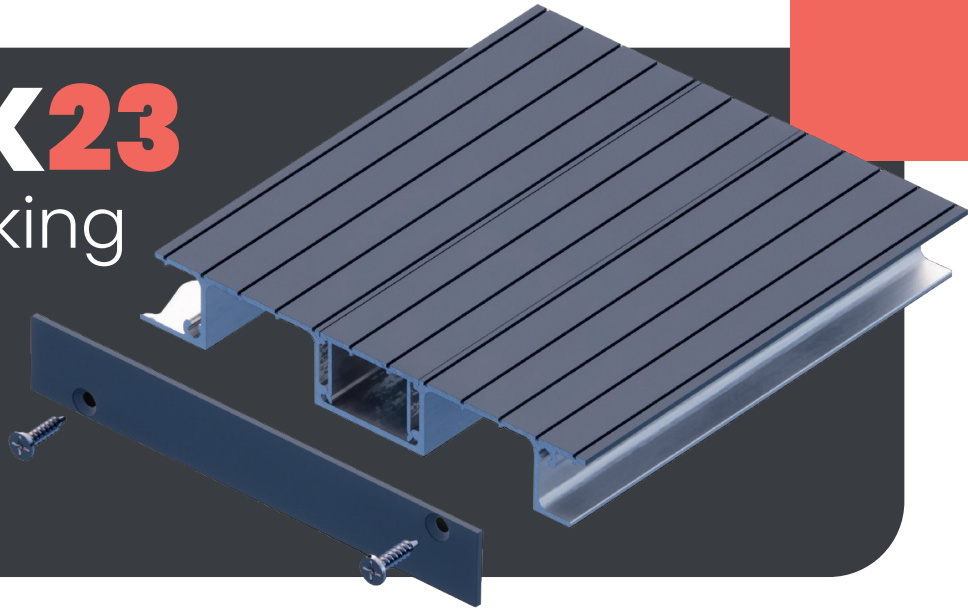


ONEDECK²³

Aluminium Decking

www.fortepespa.ie



OneDeck is our state-of-the-art aluminium decking for balconies and terraces. Our non-combustible, fire-resistant, and eco-friendly products and systems are compliant with all construction regulations.

OnceDeck meets Part B of the UK building regulations, offering a solution that avoids the warping or rotting issues often found with traditional decking.

Product Specification

BOARD: Alcoa aluminium allow 6063A, the lowest carbon footprint billet! With greater strength retains the same good surface finish qualities and affinity for anodizing.

Our products are manufactured under ISO 14001 and ISO 50001, ensuring our commitment to effective environmental management and sustainability.

ALUMINIUM GRADE: 6063A – Low Carbon.

FINISH: Interpon Qualicoat Class 1 & 2 Performance. Qualiticoat coating material compliant with BS EN 12206:2021.

POWDER COATING: 60–70 microns. Interpon D Texture ISR coating provides corrosion protection and chemical resistance, designed for exterior exposure with good weather resistance from just one application. The coating sustains a longer lifespan.

FIRE RATING: A2-s1, d0.

Colour Range



📍 Greenogue Business Park, 623 Jordanstown Avenue,
Jordanstown, Rathcoole, Co. Dublin, D24 A9RW

☎ +353 1 6265197 ✉ info@fortepespa.ie [in](#)



Benefits

FIRE SAFETY

- Meets international fire safety standards for various buildings.
- Fire resistance A2ISD0.

NO ROTTING ISSUES

- Prevents rotting common with traditional timber decking, enhancing safety, appearance, and longevity.

SAFETY

- Improved slip resistance with Interpon Texture ISR (Improved slip resistance) coating.

LIGHTWEIGHT BUILD

- Easier to handle, install, and replace due to lightweight aluminium.

SUSTAINABILITY

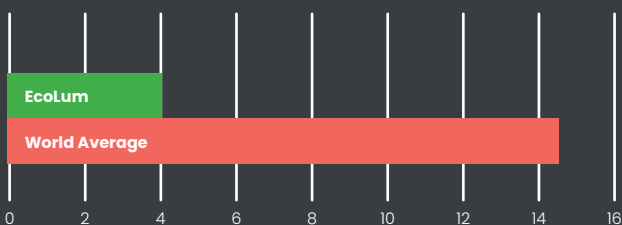
- Contains no VOCs, making it eco-friendlier than liquid coatings. Up to 70% lower carbon than 6063 T6.

COMPONENTS INTEGRATION

- All AlumExperts products are integrated and can fit any balcony design and terraces.
- Easy installation, even over existing subframes.

Our Aluminium vs the rest

Average global CO2e emissions per ton aluminium*



* Source: Average data per CRU Aluminium Cost Model 2020 and CRU Bauxite and Alumina Cost Model 2020.



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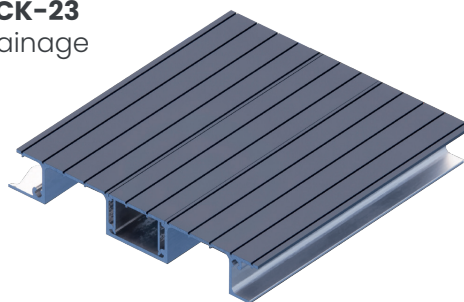
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ONEDECK²³

Aluminium Decking

ONEDECK-23

Free drainage



BOARD DIMENSIONS

LENGTH: 4000 & 6000mm
WIDTH: 150mm

DEPTH: 23mm
MAX. SPAN: 800mm

Coating Tests

Environmental and Durability Tests

Test	Standard
Acetic acid salt spray	ISO 9227
Constant humidity	ISO 6270-2
Sulphur Dioxide	ISO 22479
Permeability	EN12206-1 Par. 5.10
Chemical Resistance	N/A
Mortar Resistance	EN12206-1
Accelerated Weathering	ISO16474-2 (1000 hrs)
	ISO11507:QUV B 313 (300 hrs)
Exterior durability	ISO2810 (1 year)
Chalking	ASTM D4214-07

Mechanical Tests

Test	Standard	Result
Flexibility	ISO 1519	Pass 5mm
Adhesion	ISO 2409	Gt0 (2mm crosshatch)
Erichsen Cupping	ISO 1520	Pass 5mm
Impact Resistance	ISO 6272-2	Pass 2.5 Joules (reverse & direct, 20 in lb)
Buchholz Hardness	ISO 2815	>80

Slip Test Results

Sandberg Reference	Client Reference	Surfacing Material Under Test	Surface Roughness R ² um	Ambient Temp. °C	Orientation (Relative to Traffic*)	Pendulum TRST Value PTV [®]	
						Dry	Wet
JA1901	FPL One Deck	Metal Decking	>30	20	00* 900* 450*	51 54 51	46 45 45
JA1902	DBI	Metal Decking	>30	20	00* 900* 450*	52 NDI NDI	40 NDI NDI
JA1903	DBIA	Metal Decking	>30	20	00* 900* 450*	53 NDI NDI	43 NDI NDI

Warranty

30 years against cracking, warping, rotting, and any material or manufacturing flaws.

60 years design life.

