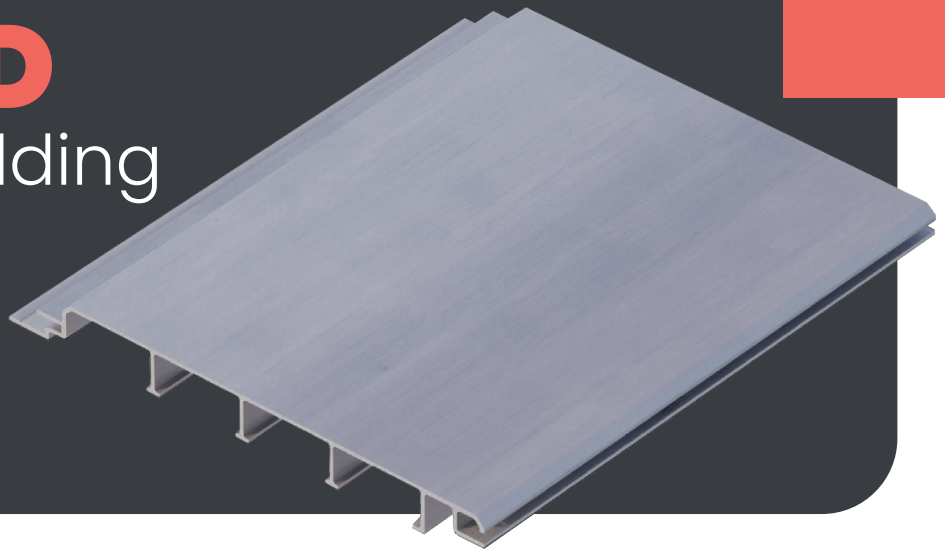


# ONE CLAD

## Aluminium Cladding

[www.fortepespa.ie](http://www.fortepespa.ie)



OneClad is perfect for architectural designs, our cladding combines aesthetic appeal with a low-carbon footprint, promoting eco-friendly construction practices.

Lightweight, durable, and recyclable, it is engineered to meet the demands of sustainable architecture.

### Product Specification

**BOARD:** Alcoa aluminum alloy 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 Footprint.

**FINISH:** Interpon Qualicoat Class 1 & 2 performance Qualicoat 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](mailto: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.

### 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.

### DRAINAGE SOLUTION

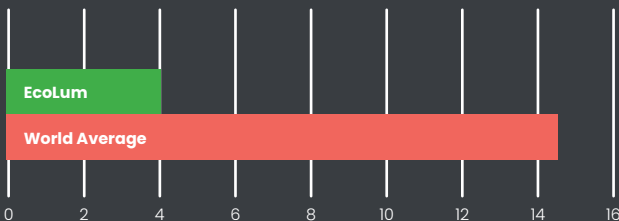
- OneDeck comes with integrated or free drainage options.

### 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.



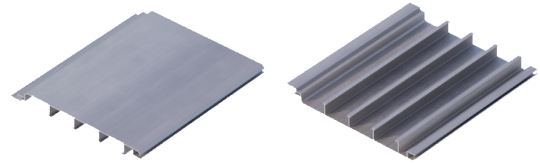
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# ONE CLAD

## Aluminium Cladding

### One Clad SB-1



### BOARD DIMENSIONS

LENGTH: 4000 & 6000mm  
WIDTH: 180mm

DEPTH: 16mm  
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)<br>ISO11507:QUV B 313 (300 hrs) |
| Exterior durability    | ISO2810 (1 year)                                      |
| Chalking               | ASTM D4214-07                                         |

| Mechanical Tests  | 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<br>(reverse & direct, 20 in lb) |
| Buchholz Hardness | ISO 2815   | >80                                             |

## Fire Classification Breakdown

- A2** Material of very limited combustibility. It contributes almost nothing to a fire.
- s1** Produces little to no smoke in the first 10 mins.
- d0** Produces no burning drops or particles in the first 10 minutes

## Warranty

**30 years** against cracking, warping, rotting, and any material or manufacturing flaws.  
**60 years** design life.

