HunterDouglas® LinearClad™ are particularly suited to large surface areas and offer excellent design, functionality and comfort with an outstanding visual appeal.
LinearClad™ F Façade System
Economical cladding with excellent performance

DESIGN FLEXIBILITY
Hunter Douglas LinearClad™ F within the Façade product range, gives architects the freedom to choose the right and economical cladding to meet aesthetic, performance and comfort criteria.

ECONOMICAL
Our LinearClad™ F Façade System is an economical cladding and soffit solution without compromising on technical performance. Single Skin façades create smooth, profiled surfaces that are ideal for new and refurbished projects. They are easy to install, lightweight and available in a 2 widths (150 mm and 200 mm) and in a wide range of colours.

DURABILITY
The high quality components, used to manufacture the façades, deliver high performance and low maintenance: products built to last.

SYSTEM FEATURES
LinearClad™ F consist of 150 mm and 200 mm wide roll formed panels with a tight joint. The panels are made to measure and can be supplied in any length from 800 up to 6000 mm.
• Light crowned modules of 150 and 200 mm
• Roll formed tongue-in-groove system
• Perfect for façade projects
• Optimised system for medium wind load
• Large choice of colour possibilities.
FORM & DESIGN
Buildings are defined by form and design. Often they are the product of an architect’s inspirational vision. At Hunter Douglas our mission is to help designers realise that vision, by providing them with a palette of colours, materials and surface finishes that will inspire their creativity.

APPLICATION
- Façades and exterior ceiling
- Sloping and curved façades
- Decoration of exterior walls, ceilings and balconies
- Cladding of tunnels
- For new build or renovation projects.

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Designed to work for you
The Hunter Douglas 150F/200F Façade System consists of 150 mm and 200 mm wide roll formed panels (1), which can simply be slid into the prongs of a 150F or a 200F stringer (2). The stove enamelled aluminium panels are recyclable, lightweight and strong. The panels are made to measure and can be supplied in any length from 800 up to 6000 mm (other lengths are available on request). Panels can be joined by using the panel splice (3).

The stringer (2) is black, made of 0.95 mm thick (150F) or 1.2 mm thick (200F) stove enamelled aluminium and is provided with prongs to accommodate the panels. Stringers have a standard length of 5000 mm.

### Practical Applications
- The neat closed joints present a smooth uninterrupted appearance.
- The façades have a concealed fixing system.
- Panel length made to measure from 800 up to 6000 mm, allowing for swift installation and reducing the need for joining the panels to a minimum.
- Panels can be additionally secured to the stringer by using U-brackets (5), providing a very rigid system, able to withstand the most severe conditions of water and wind (over 2000 N/m²).
- Panels are made from a corrosion resistant aluminium alloy.
- The Luxacote® coating combined with aluminium of the highest category for corrosion resistance guarantees:
  - Colour and gloss stability;
  - High scratch resistance;
  - High corrosion resistance.
- For installations requiring combinations of 150F and 200F panels a screw clamp (7) is available.
- Curved façades can be achieved by using screw clamps (7).
- Façades are based on a ventilating principle providing optimum control of building physics.

### Standard Construction Details

### Dimensions & Weights

<table>
<thead>
<tr>
<th>Panel</th>
<th>Width</th>
<th>Module</th>
<th>Min. Length</th>
<th>Max. Length</th>
<th>Weight panels &amp; stringer/m²*</th>
</tr>
</thead>
<tbody>
<tr>
<td>150F</td>
<td>150</td>
<td>150</td>
<td>800</td>
<td>6000</td>
<td>2.8 kg</td>
</tr>
<tr>
<td>200F</td>
<td>200</td>
<td>200</td>
<td>800</td>
<td>6000</td>
<td>3.1 kg</td>
</tr>
</tbody>
</table>

* Based on panels installed on 3 or more stringers with a windload (pressure) of 1500 N/m².

### Material Requirements Per M²

<table>
<thead>
<tr>
<th></th>
<th>Unit</th>
<th>150F System</th>
<th>200F System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panels</td>
<td>lm</td>
<td>6.67</td>
<td>5.00</td>
</tr>
<tr>
<td>Stringers</td>
<td>lm</td>
<td>1.54</td>
<td>1.92</td>
</tr>
<tr>
<td>Screws</td>
<td>pcs</td>
<td>4.16</td>
<td>4.80</td>
</tr>
<tr>
<td>Washer sets</td>
<td>pcs</td>
<td>4.16</td>
<td>4.80</td>
</tr>
</tbody>
</table>

The required number of components depends on individual project requirements. Figures are based on a façade installed on 3 or more stringers and submitted to a windload (pressure) of 1500 N/m².
**LinearClad™ 150F**

**MAXIMUM SPANS**

- **Panel span (C)**
  The panel spans, in relation to the wind load (pressure or suction), can be calculated from the graph on the right. At 1500 N/m² the maximum panel span for 150F is 0.65 m on 3 or more stringers (windsuction).

- **Stringer span (B)**
  Before establishing the fixing distance of the stringers, the load per lineal meter stringer is to be determined by applying the formula in the following table.

<table>
<thead>
<tr>
<th>Panels installed on:</th>
<th>Calculation of ‘load per lineal meter stringer’</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 stringers</td>
<td>0.5 x q x l</td>
</tr>
<tr>
<td>3 stringers</td>
<td>1.25 x q x l</td>
</tr>
<tr>
<td>4 or more stringers</td>
<td>1.15 x q x l</td>
</tr>
</tbody>
</table>

- **Panels installed on:**
  - Wind suction 2 stringers
  - Wind suction 3 or > stringers
  - Wind pressure 2 stringers
  - Wind pressure 3 or > stringers

- **Maximum distance between stringer fixings [m]**

**Following the example:**

\[ Q = 1.15 \times 1500 \times 0.65 = 1121 \text{ N/m.} \]

Giving a fixing distance of 0.37 m.
- **Panel span (C)**

The panel spans, in relation to the wind load (pressure or suction), can be calculated from the graph on the right. At 1500 N/m² the maximum panel span for 200F is 0.52 m on 3 or more stringers (windsuction).

- **Stringer span (B)**

Before establishing the fixing distance of the stringers, the load per lineal meter stringer is to be determined by applying the formula in the following table.

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</tr>
</tbody>
</table>

$q = \text{windload in N/m}^² \text{ (uniformly distributed loads)}$

$l = \text{panelspan (c) in m}$

Following the example:

$Q = 1.15 \times 1500 \times 0.52 = 897 \text{ N/m.}$

Giving a fixing distance of 0.4 m.
ARCHITECTURAL SERVICES

We support our business partners with a wide range of technical consulting and support services for architects, developers, and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, colours and finishes. We also help creating design proposals, visualisations, and installation drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

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Designed to work for you

Hunter Douglas adopts the cradle to cradle (C2C) product philosophy to the design of products that fit the circular paradigm. They are designed for longevity, using materially healthy technical nutrients that can be reused at end of life as a high-quality source for something new.

Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.

All aluminium products are 100% recyclable at the end of their lifecycle.

Learn More

- Contact our Sales office
- www.hunterdouglasarchitectural.eu